SUMMARY OF PRODUCT CHARACTERISTICS

1. NAME OF THE MEDICINAL PRODUCT

Atofab 10 mg harde capsules
Atofab 18 mg harde capsules
Atofab 25 mg harde capsules
Atofab 40 mg harde capsules
Atofab 60 mg harde capsules
Atofab 80 mg harde capsules
Atofab 100 mg harde capsules

2. QUALITATIVE AND QUANTITATIVE COMPOSITION

Atofab 10 mg harde capsules
Each hard capsule contains 10 mg atomoxetine as 11.43 mg atomoxetine hydrochloride.

Atofab 18 mg harde capsules
Each hard capsule contains 18 mg atomoxetine as 20.57 mg atomoxetine hydrochloride.

Atofab 25 mg harde capsules
Each hard capsule contains 25 mg atomoxetine as 28.57 mg atomoxetine hydrochloride.

Atofab 40 mg harde capsules
Each hard capsule contains 40 mg atomoxetine as 45.71 mg atomoxetine hydrochloride.

Atofab 60 mg harde capsules
Each hard capsule contains 60 mg atomoxetine as 68.57 mg atomoxetine hydrochloride.

Atofab 80 mg harde capsules
Each hard capsule contains 80 mg atomoxetine as 91.42 mg atomoxetine hydrochloride.

Atofab 100 mg harde capsules
Each hard capsule contains 100 mg atomoxetine as 114.28 mg atomoxetine hydrochloride.

For the full list of excipients, see section 6.1.

3. PHARMACEUTICAL FORM

Capsule, hard.

Atofab 10 mg harde capsules
White powder in a hard gelatin capsule of size No 3 (length of 15.7±0.4 mm), opaque white cap imprinted in black ink with ‘10’ and opaque white body imprinted in black ink with ‘mg’.

Atofab 18 mg harde capsules
White powder in a hard gelatin capsule of size No 3 (length of 15.7±0.4 mm), opaque rich yellow cap imprinted in black ink with ‘18’ and opaque white body imprinted in black ink with ‘mg’.

Atofab 25 mg harde capsules
White powder in a hard gelatin capsule of size No 3 (length of 15.7±0.4 mm), opaque blue cap imprinted in black ink with ‘25’ and opaque white body imprinted in black ink with ‘mg’.

Atofab 40 mg harde capsules
White powder in a hard gelatin capsule of size No 3 (length of 15.7±0.4 mm), opaque blue cap imprinted in black ink with ‘40’ and opaque blue body imprinted in black ink with ‘mg.’

Atofab 60 mg harde capsules
White powder in a hard gelatin capsule of size No 2 (length of 17.6±0.4 mm), opaque blue cap imprinted in black ink with '60' and opaque rich yellow body imprinted in black ink with 'mg'.

Atofab 80 mg harde capsules
White powder in a hard gelatin capsule of size No 2 (length of 17.6±0.4 mm), opaque brown cap imprinted in black ink with '80' and opaque white body imprinted in black ink with 'mg'.

Atofab 100 mg harde capsules
White powder in a hard gelatin capsule of size No 1 (length of 19.1 ± 0.4 mm), opaque brown cap imprinted in black ink with '100' and opaque brown body imprinted in black ink with 'mg'.

4. CLINICAL PARTICULARS

4.1 Therapeutic indications

Atofab is indicated for the treatment of Attention-Deficit/Hyperactivity Disorder (ADHD) in children of 6 years and older, in adolescents and in adults as part of a comprehensive treatment programme. Treatment must be initiated by a specialist in the treatment of ADHD, such as a paediatrician, child/adolescent psychiatrist, or psychiatrist. Diagnosis should be made according to current DSM criteria or the guidelines in ICD.

In adults, the presence of symptoms of ADHD that were pre-existing in childhood should be confirmed. Third-party corroboration is desirable and Atofab should not be initiated when the verification of childhood ADHD symptoms is uncertain. Diagnosis cannot be made solely on the presence of one or more symptoms of ADHD. Based on clinical judgment, patients should have ADHD of at least moderate severity as indicated by at least moderate functional impairment in 2 or more settings (for example, social, academic, and/or occupational functioning), affecting several aspects of an individual's life.

Additional information for the safe use of this medicinal product: A comprehensive treatment programme typically includes psychological, educational and social measures and is aimed at stabilising patients with a behavioural syndrome characterised by symptoms which may include chronic history of short attention span, distractibility, emotional lability, impulsivity, moderate to severe hyperactivity, minor neurological signs and abnormal EEG. Learning may or may not be impaired.

Pharmacological treatment is not indicated in all patients with this syndrome and the decision to use the medicinal product must be based on a very thorough assessment of the severity of the patient's symptoms and impairment in relation to the patient's age and the persistence of symptoms.

4.2 Posology and method of administration

Posology
Atofab can be administered as a single daily dose in the morning. Patients who do not achieve a satisfactory clinical response (tolerability [e.g., nausea or somnolence] or efficacy) when taking Atofab as a single daily dose might benefit from taking it as twice daily evenly divided doses in the morning and late afternoon or early evening.

Paediatric population

Dosing of paediatric population up to 70 kg Body Weight:
Atofab should be initiated at a total daily dose of approximately 0.5 mg/kg. The initial dose should be maintained for a minimum of 7 days prior to upward dose titration according to clinical response and tolerability. The recommended maintenance dose is approximately 1.2 mg/kg/day (depending on the patient's weight and available dosage strengths of atomoxetine). No additional benefit has been

demonstrated for doses higher than 1.2 mg/kg/day. The safety of single doses over 1.8 mg/kg/day and total daily doses above 1.8 mg/kg have not been systematically evaluated. In some cases it might be appropriate to continue treatment into adulthood.

Dosing of paediatric population over 70 kg Body Weight:
Atofab should be initiated at a total daily dose of 40 mg. The initial dose should be maintained for a minimum of 7 days prior to upward dose titration according to clinical response and tolerability. The recommended maintenance dose is 80 mg. No additional benefit has been demonstrated for doses higher than 80 mg. The maximum recommended total daily dose is 100 mg. The safety of single doses over 120 mg and total daily doses above 150 mg have not been systematically evaluated.

Adults
Atofab should be initiated at a total daily dose of 40 mg. The initial dose should be maintained for a minimum of 7 days prior to upward dose titration according to clinical response and tolerability. The recommended maintenance daily dose is 80 mg to 100 mg. The maximum recommended total daily dose is 100 mg. The safety of single doses over 120 mg and total daily doses above 150 mg have not been systematically evaluated.

Additional information for the safe use of this medicinal product:

Pre-treatment screening:
Prior to prescribing it is necessary to take an appropriate medical history and conduct a baseline evaluation of a patient's cardiovascular status, including blood pressure and heart rate (see sections 4.3 and 4.4).

Ongoing monitoring:
Cardiovascular status should be regularly monitored with blood pressure and pulse recorded after each adjustment of dose and then at least every 6 months. For paediatric patients the use of a centile chart is recommended. For adults, current reference guidelines for hypertension should be followed. (see section 4.4).

Withdrawal of Treatment:
In the study programme no distinct withdrawal symptoms have been described. In cases of significant adverse effects, atomoxetine may be stopped abruptly; otherwise the medicinal product may be tapered off over a suitable time period.

Treatment with Atofab need not be indefinite. Re-evaluation of the need for continued therapy beyond 1 year should be performed, particularly when the patient has reached a stable and satisfactory response.

Special Populations

Elderly population:
The use of atomoxetine in patients over 65 years of age has not been systematically evaluated.

Hepatic insufficiency:
For patients with moderate hepatic insufficiency (Child-Pugh Class B), initial and target doses should be reduced to 50% of the usual dose. For patients with severe hepatic insufficiency (Child-Pugh Class C), initial dose and target doses should be reduced to 25% of usual dose (see section 5.2).

Renal insufficiency:
Subjects with end-stage renal disease had higher systemic exposure to atomoxetine than healthy subjects (about a 65% increase), but there was no difference when exposure was corrected for mg/kg dose. Atofab can therefore be administered to ADHD patients with end-stage renal disease or lesser degrees of renal insufficiency using the usual dosing regimen. Atomoxetine may exacerbate hypertension in patients with end-stage renal disease (see section 5.2).

Approximately 7% of Caucasians have a genotype corresponding to a non-functional CYP2D6 enzyme (called CYP2D6 poor metabolisers). Patients with this genotype have a several-fold higher exposure to atomoxetine when compared to patients with a functional enzyme. Poor metabolisers are therefore at higher risk of adverse events (see section 4.8 and section 5.2). For patients with a known poor metaboliser genotype, a lower starting dose and slower up titration of the dose may be considered.

Paediatric population under six years of age:
The safety and efficacy of Atomoxetine in children under 6 years of age have not been established. Therefore, Atofab should not be used in children under 6 years of age (see section 4.4).

Method of administration
For oral use.
Atofab can be administered with or without food.
The capsules should not be opened and the contents inside the capsules should not be removed and taken in any other way.

4.3 Contraindications

Hypersensitivity to the active substance or to any of the excipients listed in section 6.1.

Atomoxetine should not be used in combination with monoamine oxidase inhibitors (MAOI). Atomoxetine should not be used within a minimum of 2 weeks after discontinuing therapy with MAOI. Treatment with MAOI should not be initiated within 2 weeks after discontinuing atomoxetine. Atomoxetine should not be used in patients with narrow-angle glaucoma, as in clinical trials the use of atomoxetine was associated with an increased incidence of mydriasis.

Atomoxetine should not be used in patients with severe cardiovascular or cerebrovascular disorders (see section 4.4 - Cardiovascular Effects). Severe cardiovascular disorders may include severe hypertension, heart failure, arterial occlusive disease, angina, haemodynamically significant congenital heart disease, cardiomyopathies, myocardial infarction, potentially life-threatening arrhythmias and channelopathies (disorders caused by the dysfunction of ion channels). Severe cerebrovascular disorders may include cerebral aneurysm or stroke.

Atomoxetine should not be used in patients with pheochromocytoma or a history of pheochromocytoma (see section 4.4 - Cardiovascular Effects).

4.4 Special warnings and precautions for use

Suicide-related behaviour:
Suicide-related behaviour (suicide attempts and suicidal ideation) has been reported in patients treated with atomoxetine. In double-blind clinical trials, suicide-related behaviours were uncommon, but more frequently observed among children and adolescents treated with atomoxetine compared to those treated with placebo, where there were no events. In adult double-blind clinical trials there was no difference in the frequency of suicide-related behaviour between atomoxetine and placebo. Patients who are being treated for ADHD should be carefully monitored for the appearance or worsening of suicide-related behaviour.

Sudden death and pre-existing cardiac abnormalities:
Sudden death has been reported in patients with structural cardiac abnormalities who were taking atomoxetine at usual doses. Although some serious structural cardiac abnormalities alone carry an increased risk of sudden death, atomoxetine should only be used with caution in patients with known serious structural cardiac abnormalities and in consultation with a cardiac specialist.

Cardiovascular effects:

Atomoxetine can affect heart rate and blood pressure. Most patients taking atomoxetine experience a modest increase in heart rate (mean <10 bpm) and/or increase in blood pressure (mean <5 mm Hg) (see section 4.8).

However, combined data from controlled and uncontrolled ADHD clinical trials show that approximately 8-12% of children and adolescents, and 6-10% of adults experience more pronounced changes in heart rate (20 beats per minute or greater) and blood pressure (15-20 mmHg or greater). Analysis of these clinical trial data showed that approximately 15-26% of children and adolescents, and 27-32% of adults experiencing such changes in blood pressure and heart rate during atomoxetine treatment had sustained or progressive increases. Long-term sustained changes in blood pressure may potentially contribute to clinical consequences such as myocardial hypertrophy.

As a result of these findings, patients who are being considered for treatment with atomoxetine should have a careful history and physical exam to assess for the presence of cardiac disease, and should receive further specialist cardiac evaluation if initial findings suggest such history or disease.

It is recommended that heart rate and blood pressure be measured and recorded before treatment is started and, during treatment, after each adjustment of dose and then at least every 6 months to detect possible clinically important increases. For paediatric patients the use of a centile chart is recommended. For adults, current reference guidelines for hypertension should be followed.

Atomoxetine should not be used in patients with severe cardiovascular or cerebrovascular disorders (see section 4.3 – Severe Cardiovascular and Cerebrovascular Disorders). Atomoxetine should be used with caution in patients whose underlying medical conditions could be worsened by increases in blood pressure and heart rate, such as patients with hypertension, tachycardia, or cardiovascular or cerebrovascular disease.

Patients who develop symptoms such as palpitations, exertional chest pain, unexplained syncope, dyspnoea or other symptoms suggestive of cardiac disease during atomoxetine treatment should undergo a prompt specialist cardiac evaluation.

In addition, atomoxetine should be used with caution in patients with congenital or acquired long QT or a family history of QT prolongation (see sections 4.5 and 4.8).

As orthostatic hypotension has also been reported, atomoxetine should be used with caution in any condition that may predispose patients to hypotension or conditions associated with abrupt heart rate or blood pressure changes.

Cerebrovascular effects:
Patients with additional risk factors for cerebrovascular conditions (such as a history of cardiovascular disease, concomitant medications that elevate blood pressure) should be assessed at every visit for neurological signs and symptoms after initiating treatment with atomoxetine.

Hepatic effects:
Very rarely, spontaneous reports of liver injury, manifested by elevated hepatic enzymes and bilirubin with jaundice, have been reported. Also very rarely, severe liver injury, including acute liver failure, have been reported. Atofab should be discontinued in patients with jaundice or laboratory evidence of liver injury, and should not be restarted.

Psychotic or manic symptoms:
Treatment-emergent psychotic or manic symptoms, e.g., hallucinations, delusional thinking, mania or agitation in patients without a prior history of psychotic illness or mania can be caused by atomoxetine at usual doses. If such symptoms occur, consideration should be given to a possible causal role of atomoxetine, and discontinuation of treatment should be considered. The possibility that Atofab will cause the exacerbation of pre-existing psychotic or manic symptoms cannot be excluded.

Aggressive behaviour, hostility or emotional lability:

Hostility (predominantly aggression, oppositional behaviour and anger) was more frequently observed in clinical trials among children, adolescents and adults treated with Atomoxetine compared to those treated with placebo. Emotional lability was more frequently observed in clinical trials among children treated with Atomoxetine compared to those treated with placebo. Patients should be closely monitored for the appearance or worsening of aggressive behaviour, hostility or emotional lability. Severe cases have been reported concerning paediatric patients, including reports of physical assault, or threatening behaviour and thoughts of harming others. Families and caregivers of paediatric patients treated with atomoxetine should be counselled to alert a healthcare professional immediately if significant changes in mood or patterns of behaviour are noted, particularly after starting treatment or changing the dose. Physicians should evaluate the need for dose adjustment or treatment discontinuation in patients experiencing behavioural changes.

Possible allergic events:
Although uncommon, allergic reactions, including anaphylactic reactions, rash, angioneurotic oedema, and urticaria, have been reported in patients taking atomoxetine.

Ocular Irritant:
The capsules are not intended to be opened. Atomoxetine is an ocular irritant. In the event of the capsules content coming in contact with the eye, the affected eye should be flushed immediately with water, and medical advice obtained. Hands and any potentially contaminated surfaces should be washed as soon as possible.

Seizures:
Seizures are a potential risk with atomoxetine. Atomoxetine should be introduced with caution in patients with a history of seizure. Discontinuation of atomoxetine should be considered in any patient developing a seizure or if there is an increase in seizure frequency where no other cause is identified.

Serotonin syndrome:
Serotonin syndrome has been reported following concomitant use of atomoxetine with other serotonergic medicinal products (e.g. serotonin-norepinephrine reuptake inhibitors [SNRIs], selective serotonin reuptake inhibitors [SSRIs], other SNRIs, triptans, opioids, and tricyclic and tetracyclic antidepressants). If concomitant use of atomoxetine with a serotonergic medicinal product is warranted, prompt recognition of the symptoms of serotonin syndrome is important. These symptoms may include mental-status changes, autonomic instability, neuromuscular abnormalities, and/or gastrointestinal symptoms.
If serotonin syndrome is suspected, a dose reduction or discontinuation of therapy should be considered depending on the severity of the symptoms.

Growth and development:
Growth and development should be monitored in children and adolescents during treatment with atomoxetine**.** Patients requiring long-term therapy should be monitored and consideration should be given to dose reduction or interrupting therapy in children and adolescents who are not growing or gaining weight satisfactorily.
Clinical data do not suggest a deleterious effect of atomoxetine on cognition or sexual maturation; however, the amount of available long-term data is limited. Therefore, patients requiring long-term therapy should be carefully monitored.

New-onset or worsening of Comorbid Depression, Anxiety and Tics:
In a controlled study of paediatric patients with ADHD and comorbid chronic motor tics or Tourette's Disorder, atomoxetine-treated patients did not experience worsening of tics compared to placebo-treated patients. In a controlled study of adolescent patients with ADHD and comorbid Major Depressive Disorder, atomoxetine-treated patients did not experience worsening of depression compared to placebo-treated patients. In two controlled studies (one in paediatric patients and one in adult patients) of patients with ADHD and comorbid anxiety disorders, atomoxetine-treated patients did not experience worsening of anxiety compared to placebo-treated patients.

There have been rare postmarketing reports of anxiety and depression or depressed mood and very rare reports of tics in patients taking atomoxetine (see section 4.8).

Patients who are being treated for ADHD with atomoxetine should be monitored for the appearance or worsening of anxiety symptoms, depressed mood and depression or tics.

Paediatric population under six years of age:
Atomoxetine should not be used in patients less than six years of age as efficacy and safety have not been established in this age group.

Other therapeutic use:
Atomoxetine is not indicated for the treatment of major depressive episodes and/or anxiety as the results of clinical trials in adults in these conditions, where ADHD is not present, did not show an effect compared to placebo (see section 5.1).

4.5 Interaction with other medicinal products and other forms of interaction

Effects of other medicinal products on atomoxetine

MAOIs:
Atomoxetine should not be used with MAOIs (see section 4.3).

CYP2D6 inhibitors (SSRIs (e.g., fluoxetine, paroxetine), quinidine, terbinafine):
In patients receiving these medicinal products, atomoxetine exposure may be 6-to 8-fold increased and $C_{ss\ max}$ 3 to 4 times higher, because it is metabolised by the CYP2D6 pathway. Slower titration and final lower dosage of atomoxetine may be necessary in patients who are already taking CYP2D6 inhibitor medicinal products. If a CYP2D6 inhibitor is prescribed or discontinued after titration to the appropriate atomoxetine dose has occurred, the clinical response and tolerability should be re-evaluated for that patient to determine if dose adjustment is needed.

Caution is advised when combining atomoxetine with potent inhibitors of cytochrome P450 enzymes other than CYP2D6 in patients who are poor CYP2D6 metabolisers as the risk of clinically relevant increases in atomoxetine exposure *in vivo* is unknown.

Salbutamol (or other beta$_2$ agonists):
Atomoxetine should be administered with caution to patients treated with high dose nebulised or systemically administered salbutamol (or other beta$_2$ agonists) because cardiovascular effects can be potentiated.

Contradictory findings regarding this interaction were found. Systemically administered salbutamol (600 µg i.v. over 2 hrs) in combination with atomoxetine (60 mg twice daily for 5 days) induced increases in heart rate and blood pressure. This effect was most marked after the initial coadministration of salbutamol and atomoxetine but returned towards baseline at the end of 8 hours. However, in a separate study the effects on blood pressure and heart rate of a standard inhaled dose of salbutamol (200 µg) were not increased by the short-term coadministration of atomoxetine (80 mg once daily for 5 days) in a study of healthy Asian adults who were extensive atomoxetine metabolisers. Similarly, heart rate after multiple inhalations of salbutamol (800 µg) did not differ in the presence or absence of atomoxetine.

Attention should be paid to monitoring heart rate and blood pressure, and dose adjustments may be justified for either atomoxetine or salbutamol (or other beta$_2$ agonists) in the event of significant increases in heart rate and blood pressure during coadministration of these medicinal products.

There is the potential for an increased risk of QT interval prolongation when atomoxetine is administered with other QT prolonging medicinal products(such as neuroleptics, class IA and III anti-arrhythmics, moxifloxacin, erythromycin, methadone, mefloquine, tricyclic antidepressants, lithium,

or cisapride), medicinal products that cause electrolyte imbalance (such as thiazide diuretics), and medicinal products that inhibit CYP2D6.

Seizures are a potential risk with atomoxetine. Caution is advised with concomitant use of medicinal products which are known to lower the seizure threshold (such as tricyclic antidepressants or SSRIs, neuroleptics, phenothiazines or butyrophenone, mefloquine, chloroquine, bupropion or tramadol). (See section 4.4). In addition, caution is advised when stopping concomitant treatment with benzodiazepines due to potential withdrawal seizures.

Serotoninergic medications
Atomoxetine should be used with caution in combination with serotonergic medicinal products, selective serotonin re-uptake inhibitors (SSRIs), serotonin norepinephrine re-uptake inhibitors (SNRIs), opioids as tramadol, and tetracyclic or tricyclic antidepressants as the risk of serotonin syndrome, a potentially life-threatening condition, is increased (see section 4.4).

Anti-hypertensive medicinal products:
Atomoxetine should be used cautiously with anti-hypertensive medicinal products. Because of a possible increase in blood pressure, atomoxetine may decrease the effectiveness of anti-hypertensive medicinal products/ medicinal products used to treat hypertension. Attention should be paid to monitoring of blood pressure and review of treatment of atomoxetine or anti-hypertensive medicinal products may be justified in the case of significant changes of blood pressure.

Pressor agents or medicinal products that increase blood pressure:
Because of possible increase in effects on blood pressure, atomoxetine should be used cautiously with pressor agents or medications that may increase blood pressure (such as salbutamol). Attention should be paid to monitoring of blood pressure, and review of treatment for either atomoxetine or pressor agents may be justified in the case of significant change in blood pressure.

Medicinal products that affect noradrenaline:
Medicinal products that affect noradrenaline should be used cautiously when co-administered with atomoxetine because of the potential for additive or synergistic pharmacological effects. Examples include antidepressants, such as imipramine, venlafaxine, and mirtazapine, or the decongestants pseudoephedrine or phenylephrine.

Medicinal products that affect gastric pH:
Medicinal products that elevate gastric pH (magnesium hydroxide/aluminium hydroxide, omeprazole) had no effect on atomoxetine bioavailability.

Medicinal products highly bound to plasma protein:
In vitro drug-displacement studies were conducted with atomoxetine and other highly-bound medicinal products at therapeutic concentrations. Warfarin, acetylsalicylic acid, phenytoin, or diazepam did not affect the binding of atomoxetine to human albumin. Similarly, atomoxetine did not affect the binding of these compounds to human albumin.

4.6 Fertility, pregnancy and lactation

Pregnancy
Animal studies in general do not indicate direct harmful effects with respect to pregnancy, embryonal/foetal development, parturition or postnatal development (see section 5.3). For atomoxetine clinical data on exposed pregnancies are limited. Such data are insufficient to indicate either an association or a lack of association between atomoxetine and adverse pregnancy and/or lactation outcomes. Atomoxetine should not be used during pregnancy unless the potential benefit justifies the potential risk to the foetus.

Breast-feeding

Atomoxetine and/or its metabolites were excreted in the milk of rats. It is not known if atomoxetine is excreted in human milk. Because of the lack of data, atomoxetine should be avoided during breast-feeding.

4.7 Effects on ability to drive and use machines

Data on the effects on the ability to drive and use machines are limited. Atomoxetine has a minor influence on the ability to drive and use machines. Atomoxetine has been associated with increased rates of fatigue, somnolence, and dizziness relative to placebo in paediatric and adult patients. Patients should be advised to use caution when driving a car or operating hazardous machinery until they are reasonably certain that their performance is not affected by atomoxetine.

4.8 Undesirable effects

Paediatric population

Summary of the safety profile
In paediatric placebo-controlled trials, headache, abdominal pain[1] and decreased appetite are the adverse events most commonly associated with atomoxetine, and are reported by about 19%, 18% and 16% of patients, respectively, but seldom lead to atomoxetine discontinuation (discontinuation rates are 0.1% for headache, 0.2% for abdominal pain and 0.0% for decreased appetite). Abdominal pain and decreased appetite are usually transient.

Associated with decreased appetite, some patients experienced growth retardation early in therapy in terms of both weight and height gain. On average, after an initial decrease in weight and height gain, patients treated with atomoxetine recovered to mean weight and height as predicted by group baseline data over the long-term treatment.

Nausea, vomiting and somnolence[2] can occur in about 10% to 11% of patients, particularly during the first month of therapy. However, these episodes were usually mild to moderate in severity and transient, and did not result in a significant number of discontinuations from therapy (discontinuation rates ≤ 0.5%).

In both paediatric and adult placebo-controlled trials, patients taking atomoxetine experienced increases in heart rate, systolic and diastolic blood pressure (see section 4.4).

Because of its effect on noradrenergic tone, orthostatic hypotension (0.2%) and syncope (0.8%) have been reported in patients taking atomoxetine. Atomoxetine should be used with caution in any condition that may predispose patients to hypotension.

The following table of undesirable effects is based on adverse event reporting and laboratory investigations from clinical trials and post-marketing spontaneous reports in children and adolescents:

Tabulated list of adverse reactions
Frequency estimate: Very common (≥1/10), common (≥1/100 to <1/10), uncommon (≥1/1,000 to <1/100), rare (≥1/10,000 to <1/1,000), very rare (<1/10,000), not known (cannot be estimated from the available data).

System Organ Class	Very common	Common	Uncommon	Rare	Not known
Metabolism and nutrition disorders	Appetite decreased	Anorexia (loss of appetite)			
Psychiatric disorders		Irritability, mood swings, insomnia[3],	Suicide-related events, aggression,		Bruxism

		agitation *, anxiety, depression and depressed mood *, tics *	hostility, emotional lability * Psychosis (including hallucinations) *		
Nervous system disorders	Headache, somnolence[2]	Dizziness	Syncope, tremor, migraine, paraesthesia *, hypoaesthesia *, Seizure **		
Eye disorders		Mydriasis	Vision blurred		
Cardiac disorders			Palpitations, sinus tachycardia. QT interval prolongation **		
Vascular disorders				Raynaud's phenomenon	
Respiratory, thoracic and mediastinal disorders			Dyspnoea (see section 4.4)		
Gastrointestinal disorders	Abdominal pain[1], vomiting, nausea	Constipation, dyspepsia			
Hepatobiliary disorders			Blood bilirubin increased *	Abnormal/increased liver function tests, jaundice, hepatitis, liver injury, acute hepatic failure *	
Skin and subcutaneous tissue disorders		Dermatitis, pruritis, rash	Hyperhydrosis, allergic reactions		
Renal and urinary disorders				Urinary hesitation, urinary retention	
Reproductive system and breast disorders				Priapism, male genital pain	
General disorders and administration site conditions		Fatigue, lethargy, chest pain (see section 4.4)	Asthenia		
Investigations	Blood pressure	Weight			

	increased[4], heart rate increased[4]	decreased			

[1]Also includes abdominal pain upper, stomach discomfort, abdominal discomfort and epigastric discomfort.
[2] Also includes sedation
[3] Includes initial, middle and terminal (early morning wakening) insomnia
[4] Heart rate and blood pressure findings are based on measured vital signs.
* See section 4.4
** See section 4.4 and section 4.5

CYP2D6 poor metabolisers (PM):
The following adverse events occurred in at least 2% of CYP2D6 poor metaboliser (PM) patients and were statistically significantly more frequent in PM patients compared with CYP2D6 extensive metaboliser (EM) patients: appetite decreased (24.1% of PMs, 17.0% of EMs); insomnia combined (including insomnia, middle insomnia and initial insomnia, 14.9% of PMs, 9.7% of EMs); depression combined (including depression, major depression, depressive symptom, depressed mood and dysphoria, 6.5% of PMs and 4.1% of EMs), weight decreased (7.3% of PMs, 4.4% of EMs), constipation 6.8% of PMs, 4.3% of EMs); tremor (4.5% of PMs, 0.9% of EMs); sedation (3.9% of PMs, 2.1% of EMs); excoriation (3.9% of PMs, 1.7% of EMs); enuresis (3.0% of PMs, 1.2% of EMs); conjunctivitis (2.5% of PMs, 1.2% of EMs); syncope (2.5% of PMs, 0.7% of EMs); early morning awakening (2.3% of PMs, 0.8% of EMs); mydriasis (2.0% of PMs, 0.6% of EMs). The following event did not meet the above criteria but is noteworthy: generalised anxiety disorder (0.8% of PMs and 0.1% of EMs). In addition, in trials lasting up to 10 weeks, weight loss was more pronounced in PM patients (mean of 0.6 kg in EM and 1.1kg in PM).

Adults:
Summary of the safety profile
In adult ADHD clinical trials, the following system organ classes had the highest frequency of adverse events during treatment with atomoxetine: gastrointestinal, nervous system and psychiatric disorders. The most common adverse events (≥5%) reported were appetite decreased (14.9%), insomnia (11.3%), headache (16.3%), dry mouth (18.4%) and nausea (26.7%). The majority of these events were mild or moderate in severity and the events most frequently reported as severe were nausea, insomnia, fatigue and headache. A complaint of urinary retention or urinary hesitancy in adults should be considered potentially related to atomoxetine.

The following table of undesirable effects is based on adverse event reporting and laboratory investigations from clinical trials and post-marketing spontaneous reports in adults.

Tabulated list of adverse reactions
Frequency estimate: Very common (≥1/10), common (≥1/100 to <1/10), uncommon (≥1/1,000 to <1/100), rare (≥1/10,000 to <1/1,000), very rare (<1/10,000).

System Organ Class	**Very common**	**Common**	**Uncommon**	**Rare**
Metabolism and nutrition disorders	Appetite decreased			
Psychiatric disorders	Insomnia[2]	Agitation*, libido decreased, sleep disorder, depression and depressed mood*, anxiety	Suicide-related events*, aggression, hostility and emotional lability*, restlessness, tics *	Psychosis (including hallucinations)*

Nervous system disorders	Headache	Dizziness, dysgeusia, paraesthesia, somnolence (including sedation), tremor	Syncope, migraine, Hypoaesthesia*	Seizure**
Eye disorders			Vision blurred	
Cardiac disorders		Palpitations, tachycardia	QT interval prolongation**	
Vascular disorders		Flushing, hot flush	Peripheral coldness	Raynaud's phenomenon
Respiratory, thoracic and mediastinal disorders			Dyspnoea (see section 4.4)	
Gastrointestinal disorders	Dry mouth, nausea	Abdominal pain[1], constipation, dyspepsia, flatulence, vomiting		
Hepatobiliary disorders				Abnormal/increased liver function tests, jaundice, hepatitis, liver injury, acute hepatic failure, blood bilirubin increased *
Skin and subcutaneous tissue disorders		Dermatitis, hyperhydrosis, rash	Allergic reactions[4], pruritis, urticaria	
Musculoskeletal and connective tissue disorders			Muscle spasms	
Renal and urinary disorders		Dysuria, pollakuria, urinary hesitation, urinary retention	Micturation urgency	
Reproductive system and breast disorders		Dysmenorrhoea, ejaculation disorder, erectile dysfunction, prostatitis, male genital pain	Ejaculation failure, menstruation irregular, orgasm abnormal	Priapism
General disorders and administration site conditions		Asthenia, fatigue, lethargy, chills, feeling jittery, irritability, thirst	Feeling cold, chest pain (see section 4.4)	
Investigations	Blood pressure increased[3], heart rate increased[3]	Weight decreased		

[1]Also includes abdominal pain upper, stomach discomfort, abdominal discomfort and epigastric discomfort.

[2] Also includes initial insomnia, middle insomnia and terminal (early morning wakening) insomnia.
[3] Heart rate and blood pressure findings are based on measured vital signs.
[4] Includes anaphylactic reactions and angioneurotic oedema.
* See section 4.4
** See section 4.4 and section 4.5

CYP2D6 poor metabolisers (PM)
The following adverse events occurred in at least 2% of CYP2D6 poor metaboliser (PM) patients and were statistically significantly more frequent in PM patients compared with CYP2D6 extensive metaboliser (EM) patients: vision blurred (3.9% of PMs, 1.3% of EMs), dry mouth (34.5% of PMs, 17.4% of EMs), constipation (11.3% of PMs, 6.7% of EMs), feeling jittery (4.9% of PMs, 1.9% of EMs), decreased appetite (23.2% of PMs, 14.7% of EMs), tremor (5.4% of PMs, 1.2% of EMs), insomnia (19.2% of PMs, 11.3% of EMs), sleep disorder (6.9% of PMs, 3.4% of EMs), middle insomnia (5.4% of PMs, 2.7% of EMs), terminal insomnia (3 % of PMs, 0.9% of EMs), urinary retention (5.9% of PMs, 1.2% of EMs), erectile dysfunction (20.9% of PMs, 8.9% of EMs), ejaculation disorder (6.1% of PMs, 2.2% of EMs), hyperhidrosis (14.8% of PMs, 6.8% of EMs), peripheral coldness (3% of PMs, 0.5% of EMs).

Reporting of suspected adverse reactions
Reporting suspected adverse reactions after authorisation of the medicinal product is important. It allows continued monitoring of the benefit/risk balance of the medicinal product. Healthcare professionals are asked to report any suspected adverse reactions via the national reporting system listed in Appendix V.

4.9 Overdose

Signs and symptoms
During postmarketing, there have been reports of non-fatal acute and chronic overdoses of atomoxetine alone. The most commonly reported symptoms accompanying acute and chronic overdoses were gastrointestinal symptoms, somnolence, dizziness, tremor and abnormal behaviour. Hyperactivity and agitation have also been reported. Signs and symptoms consistent with mild to moderate sympathetic nervous system activation (e.g., tachycardia, blood pressure increased, mydriasis, dry mouth) were also observed and reports of pruritus and rash have been received. Most events were mild to moderate. In some cases of overdose involving atomoxetine, seizures have been reported, and very rarely QT prolongation and serotonin syndrome. There have also been reports of fatal, acute overdoses involving a mixed ingestion of atomoxetine and at least one other medicinal product.
There is limited clinical trial experience with atomoxetine overdose.

Management
An airway should be established. Activated charcoal may be useful in limiting absorption if the patient presents within 1 hour of ingestion. Monitoring of cardiac and vital signs is recommended, along with appropriate symptomatic and supportive measures. The patient should be observed for a minimum of 6 hours. Because atomoxetine is highly protein-bound, dialysis is not likely to be useful in the treatment of overdose.

5. PHARMACOLOGICAL PROPERTIES

5.1 Pharmacodynamic properties

Pharmacotherapeutic group: Psychoanaleptics; centrally acting sympathomimetics.
ATC code*:* N06BA09.

Mechanism of action and pharmacodynamic effects
Atomoxetine is a highly selective and potent inhibitor of the pre-synaptic noradrenaline transporter, its presumed mechanism of action, without directly affecting the serotonin or dopamine transporters.

Atomoxetine has minimal affinity for other noradrenergic receptors or for other neurotransmitter transporters or receptors. Atomoxetine has two major oxidative metabolites: 4-hydroxyatomoxetine and N-desmethylatomoxetine. 4-hydroxyatomoxetine is equipotent to atomoxetine as an inhibitor of the noradrenaline transporter but, unlike atomoxetine, this metabolite also exerts some inhibitory activity at the serotonin transporter. However, any effect on this transporter is likely to be minimal, as the majority of 4-hydroxyatomoxetine is further metabolised such that it circulates in plasma at much lower concentrations (1% of atomoxetine concentration in extensive metabolisers and 0.1% of atomoxetine concentration in poor metabolisers). N-desmethylatomoxetine has substantially less pharmacological activity compared with atomoxetine. It circulates in plasma at lower concentrations in extensive metabolisers and at comparable concentrations to the parent medicinal product in poor metabolisers at steady-state.

Atomoxetine is not a psychostimulant and is not an amphetamine derivative. In a randomised, double-blind, placebo-controlled, abuse-potential study in adults comparing effects of atomoxetine and placebo, atomoxetine was not associated with a pattern of response that suggested stimulant or euphoriant properties.

Clinical efficacy and safety

Paediatric population
Atomoxetine has been studied in trials in over 5000 children and adolescents with ADHD. The acute efficacy of Atomoxetine in the treatment of ADHD was initially established in six randomised, double-blind, placebo-controlled trials of six to nine weeks duration. Signs and symptoms of ADHD were evaluated by a comparison of mean change from baseline to endpoint for Atomoxetine-treated and placebo-treated patients. In each of the six trials, atomoxetine was statistically significantly superior to placebo in reducing ADHD signs and symptoms.

Additionally, the efficacy of atomoxetine in maintaining symptom response was demonstrated in a 1 year, placebo-controlled trial with over 400 children and adolescents, primarily conducted in Europe (approximately 3 months of open-label acute treatment followed by 9 months of double-blind, placebo-controlled maintenance treatment). The proportion of patients relapsing after 1 year was 18.7% and 31.4% (atomoxetine and placebo, respectively). After 1 year of atomoxetine treatment, patients who continued atomoxetine for 6 additional months were less likely to relapse or to experience partial symptom return compared with patients who discontinued active treatment and switched to placebo (2% versus 12%, respectively). For children and adolescents, periodic assessment of the value of ongoing treatment during long-term treatment should be performed.

Atomoxetine was effective as a single daily dose and as a divided dose administered in the morning and late afternoon/early evening. Atomoxetine administered once daily demonstrated statistically significantly greater reduction in severity of ADHD symptoms compared with placebo, as judged by teachers and parents.

Active Comparator Studies:
In a randomised, double-blind, parallel group, 6-week paediatric study to test the noninferiority of atomoxetine to a standard extended-release methylphenidate comparator, the comparator was shown to be associated with superior response rates compared to atomoxetine. The percentage of patients classified as responders was 23.5% (placebo), 44.6% (atomoxetine) and 56.4% (methylphenidate). Both atomoxetine and the comparator were statistically superior to placebo and methylphenidate was statistically superior to atomoxetine (p=0.016). However, this study excluded patients who were stimulant nonresponders.

Adult population
Atomoxetine has been studied in trials in over 4800 adults who met DSM-IV diagnostic criteria for ADHD. The acute efficacy of Atomoxetine in the treatment of adults was established in six randomised, double-blind, placebo-controlled trials of ten to sixteen weeks' duration. Signs and symptoms of ADHD were evaluated by a comparison of mean change from baseline to endpoint for atomoxetine-treated and placebo-treated patients. In each of the six trials, atomoxetine was statistically

significantly superior to placebo in reducing ADHD signs and symptoms (Table X). Atomoxetine-treated patients had statistically significantly greater improvements in clinical global impression of severity (CGI-S) at endpoint compared to placebo-treated patients in all of the 6 acute studies, and statistically significantly greater improvements in ADHD-related functioning in all 3 of the acute studies in which this was assessed (Table X). Long-term efficacy was confirmed in 2 six-month placebo-controlled studies, but not demonstrated in a third (Table X).

Table X Mean Changes in Efficacy Measures for Placebo-Controlled Studies

		Changes from Baseline in Patients with at Least One Post baseline Value (LOCF)						
			CAARS-Inv:SV or AISRS[a]		**CGI-S**		**AAQoL**	
Study	**Treatment**	**N**	**Mean Change**	**p-value**	**Mean Change**	**p-value**	**Mean Change**	**p-value**
Acute Studies								
LYAA	ATX PBO	133 134	-9.5 -6.0	0.006	-0.8 -0.4	0.011	-	-
LYAO	ATX PBO	124 124	-10.5 -6.7	0.002	-0.9 -0.5	0.002	-	-
LYBY	ATX PBO	72 75	-13.6 -8.3	0.007	-1.0 -0.7	0.048	-	-
LYDQ	ATX PBO	171 158	-8.7 -5.6	<0.001	-0.8 -0.6	0.022	14.9 11.1	0.030
LYDZ	ATX PBO	192 198	-10.7 -7.2	<0.001	-1.1 -0.7	<0.001	15.8 11.0	0.005
LYEE	ATX PBO	191 195	-14.3 -8.8	<0.001	-1.3 -0.8	<0.001	12.83 8.20	<0.001
Long-Term Studies								
LYBV	ATX PBO	185 109	-11.6 -11.5	0.412	-1.0 -0.9	0.173	13.90 11.18	0.045
LYCU	ATX PBO	214 216	-13.2 -10.2	0.005	-1.2 -0.9	0.001	13.14 8.62	0.004
LYCW	ATX PBO	113 120	-14.3 -8.3	<0.001	-1.2 -0.7	<0.001	-	-

Abbreviations: AAQoL = Adult ADHD Quality of Life Total Score; AISRS = Adult ADHD Investigator Symptom Rating Scale Total Score; ATX = atomoxetine; CAARS-Inv:SV = Conners Adult ADHD Rating Scale, Investigator Rated, screening version Total ADHD Symptom Score; CGI-S = Clinical Global Impression of Severity; LOCF = last observation carried forward; PBO = placebo.
[a] ADHD symptom scales; results shown for Study LYBY are for AISRS; results for all others are for CAARS-Inv:SV.

In sensitivity analyses using a baseline-observation-carried-forward method for patients with no postbaseline measure (i.e., all patients treated), results were consistent with results shown in Table X.

In analyses of clinically meaningful response in all 6 acute and both successful long-term studies, using a variety of *a priori* and *post hoc* definitions, atomoxetine-treated patients consistently had statistically significantly higher rates of response than placebo-treated patients (Table Y).

Table Y Number (n) and Percent of Patients Meeting Criteria for Response in Pooled Placebo-Controlled Studies

	Response Defined by Improvement of at least 1 point on CGI-S	**Response Defined by 40% Improvement on CAARS-Inv:SV at Endpoint**

Group Treatment	N	n (%)	p-value	N	n (%)	p-value
Pooled Acute Studies[a]						
ATX	640	401 (62.7%)	<0.001	841	347 (41.3%)	<0.001
PBO	652	283 (43.4%)		851	215 (25.3%)	
Pooled Long-Term Studies[a]						
ATX	758	482 (63.6%)	<0.001	663	292 (44.0%)	<0.001
PBO	611	301 (49.3%)		557	175 (31.4%)	

[a]Includes all studies in Table X except : Acute CGI-S response analysis excludes 2 studies in patients with comorbid disorders (LYBY, LYDQ); Acute CAARS response analysis excludes 1 study in which the CAARS was not administered (LYBY).

In two of the acute studies, patients with ADHD and comorbid alcoholism or social anxiety disorder were studied and in both studies ADHD symptoms were improved. In the study with comorbid alcohol abuse, there were no differences between atomoxetine and placebo with respect to alcohol use behaviours. In the study with comorbid anxiety, the comorbid condition of anxiety did not deteriorate with atomoxetine treatment.

The efficacy of atomoxetine in maintaining symptom response was demonstrated in a study where after an initial active treatment period of 24 weeks, patients who met criteria for clinically meaningful response (as defined by improvement on both CAARS-Inv:SV and CGI-S scores) were randomized to receive atomoxetine or placebo for an additional 6 months of double-blind treatment. Higher proportions of atomoxetine-treated patients than placebo-treated patients met criteria for maintaining clinically meaningful response at the end of 6 months (64.3% vs. 50.0%; p=0.001). Atomoxetine-treated patients demonstrated statistically significantly better maintenance of functioning than placebo-treated patients as shown by lesser mean change on the Adult ADHD Quality of Life (AAQoL) total score at the 3-month interval (p=0.003) and at the 6-month interval (p=0.002).

QT/QTc study
A thorough QT/QTc study, conducted in healthy adult CYP2D6 poor metaboliser (PM) subjects dosed up to 60 mg of atomoxetine BID, demonstrated that at maximum expected concentrations the effect of atomoxetine on QTc interval was not significantly different from placebo. There was a slight increase in QTc interval with increased atomoxetine concentration.

5.2 Pharmacokinetic properties

The pharmacokinetics of atomoxetine in children and adolescents are similar to those in adults. The pharmacokinetics of atomoxetine have not been evaluated in children under six years of age.

Pharmacokinetic studies have shown that atomoxetine capsules and oral solution are bioequivalent.

Absorption
Atomoxetine is rapidly and almost completely absorbed after oral administration, reaching mean maximal observed plasma concentration (C_{max}) approximately 1 to 2 hours after dosing. The absolute bioavailability of atomoxetine following oral administration ranged from 63% to 94%, depending upon inter-individual differences in the modest first-pass metabolism. Atomoxetine can be administered with or without food.

Distribution
Atomoxetine is widely distributed and is extensively (98%) bound to plasma proteins, primarily albumin.

Biotransformation
Atomoxetine undergoes biotransformation primarily through the cytochrome P450 2D6 (CYP2D6) enzymatic pathway. Individuals with reduced activity of this pathway (poor metabolisers) represent about 7% of the Caucasian population and have higher plasma concentrations of atomoxetine

compared with people with normal activity (extensive metabolisers). For poor metabolisers, AUC of atomoxetine is approximately 10-fold greater and $C_{ss, max}$ is about 5-fold greater than extensive metabolisers. The major oxidative metabolite formed is 4-hydroxyatomoxetine that is rapidly glucuronidated. 4-hydroxyatomoxetine is equipotent to atomoxetine but circulates in plasma at much lower concentrations. Although 4-hydroxyatomoxetine is primarily formed by CYP2D6, in individuals that lack CYP2D6 activity, 4-hydroxyatomoxetine can be formed by several other cytochrome P450 enzymes, but at a slower rate. Atomoxetine does not inhibit or induce CYP2D6 at therapeutic doses. Cytochrome P450 Enzymes: Atomoxetine did not cause clinically significant inhibition or induction of cytochrome P450 enzymes, including CYP1A2, CYP3A, CYP2D6, and CYP2C9.

Elimination
The mean elimination half-life of atomoxetine after oral administration is 3.6 hours in extensive metabolisers and 21 hours in poor metabolisers. Atomoxetine is excreted primarily as 4-hydroxyatomoxetine-*O*-glucuronide, mainly in the urine.

Linearity/non-linearity
Pharmacokinetics of atomoxetine are linear over the range of doses studied in both extensive and poor metabolisers.

Special populations
Hepatic impairment results in a reduced atomoxetine clearance, increased atomoxetine exposure (AUC increased 2-fold in moderate impairment and 4-fold in severe impairment), and a prolonged half-life of parent medicinal product compared to healthy controls with the same CYP2D6 extensive metaboliser genotype. In patients with moderate to severe hepatic impairment (Child-Pugh class B and C) initial and target doses should be adjusted (see section 4.2).

Atomoxetine mean plasma concentrations for end-stage renal disease (ESRD) subjects were generally higher than the mean for healthy control subjects shown by C_{max} (7% difference) and $AUC_{0-\infty}$ (about 65% difference) increases. After adjustment for body weight, the differences between the two groups are minimised. Pharmacokinetics of atomoxetine and its metabolites in individuals with ESRD suggest that no dose adjustment would be necessary (see section 4.2).

5.3 Preclinical safety data

Non-clinical data revealed no special hazard for humans based on conventional studies of safety pharmacology, repeated dose toxicity, genotoxicity, carcinogenicity, or reproduction and development. Due to the dose limitation imposed by the clinical (or exaggerated pharmacological) response of the animals to the medicinal product combined with metabolic differences among species, maximum tolerated doses in animals used in non-clinical studies produced atomoxetine exposures similar to or slightly above those that are achieved in CYP2D6 poor metabolising patients at the maximum recommended daily dose.

A study was conducted in young rats to evaluate the effects of atomoxetine on growth and neurobehavioural and sexual development. Slight delays in onset of vaginal patency (all doses) and preputial separation (≥10 mg/kg/day), and slight decreases in epididymal weight and sperm number (≥10 mg/kg/day) were seen; however, there were no effects on fertility or reproductive performance. The significance of these findings to humans is unknown.

Pregnant rabbits were treated with up to 100 mg/kg/day of atomoxetine by gavage throughout the period of organogenesis. At this dose, in 1 of 3 studies, decrease in live foetuses, increase in early resorption, slight increases in the incidences of atypical origin of carotid artery and absent subclavian artery were observed. These findings were observed at doses that caused slight maternal toxicity. The incidence of these findings is within historical control values. The no-effect dose for these findings was 30 mg/kg/day. Exposure (AUC) to unbound atomoxetine in rabbits, at 100 mg/kg/day, was approximately 3.3-times (CYP2D6 extensive metabolisers) and 0.4-times (CYP2D6 poor metabolisers) those in humans at the maximum daily dose of 1.4mg/kg/day. The findings in one of three rabbit studies were equivocal and the relevance to man is unknown.

6. PHARMACEUTICAL PARTICULARS

6.1 List of excipients

Capsules content
Pregelatinized maize starch
Silica colloidal anhydrous
Dimeticone (350)

Capsule shell
Atofab 10 mg harde capsules
Gelatin
Sodium Lauryl Sulfate (E487)
Titanium dioxide (E171)
Purified water

Atofab 18 mg harde capsules
Gelatin
Sodium Lauryl Sulfate (E487)
Titanium dioxide (E171)
Iron oxide yellow (E172)
Purified water

Atofab 25 mg harde capsules
Gelatin
Sodium Lauryl Sulfate (E487)
Titanium dioxide (E171)
Indigo carmine (E132)
Purified water

Atofab 40 mg harde capsules
Gelatin
Sodium Lauryl Sulfate (E487)
Titanium dioxide (E171)
Indigo carmine (E132)
Purified water

Atofab 60 mg harde capsules
Gelatin
Sodium Lauryl Sulfate (E487)
Titanium dioxide (E171)
Indigo carmine (E132)
Iron oxide yellow (E172)
Purified water

Atofab 80 mg harde capsules
Gelatin
Sodium Lauryl Sulfate (E487)
Titanium dioxide (E171)
Iron oxide red (E172)
Iron oxide yellow (E172)
Purified water

Atofab 100 mg harde capsules
Gelatin

Sodium Lauryl Sulfate (E487)
Titanium dioxide (E171)
Iron oxide red (E172)
Iron oxide yellow (E172)
Purified water

Printing ink (black)
Shellac Glaze-45% (20% Esterified) in Ethanol
Iron Oxide Black (E172)
Propylene Glycol

6.2 Incompatibilities

Not applicable.

6.3 Shelf life

36 months

6.4 Special precautions for storage

This medicinal product does not require any special storage conditions.

6.5 Nature and contents of container

A cardboard box containing transparent PVC/PE/PCTFE-Aluminium foil blisters or PA/AL/PVC-Aluminium foil blisters.

Pack sizes: 7, 10, 14, 28, 30 and 56 harde capsules

Not all pack sizes may be marketed.

6.6 Special precautions for disposal and other handling

No special requirements.

7. MARKETING AUTHORISATION HOLDER

G.L. Pharma GmbH, Schlossplatz 1, 8502 Lannach, Oostenrijk

8. MARKETING AUTHORISATION NUMBER(S)

Atofab 10 mg harde capsules RVG 120972
Atofab 18 mg harde capsules RVG 120973
Atofab 25 mg harde capsules RVG 120974
Atofab 40 mg harde capsules RVG 120975
Atofab 60 mg harde capsules RVG 120976
Atofab 80 mg harde capsules RVG 120977
Atofab 100 mg harde capsules RVG 120978

9. DATE OF FIRST AUTHORISATION/RENEWAL OF THE AUTHORISATION

Datum van eerste verlening van de vergunning: 25 april 2018
Datum van laatste verlenging: 14 maart 2023

10. DATE OF REVISION OF THE TEXT

Laatste gedeeltelijke wijziging betreft de rubrieken 4.4, 4.5, 4.8 en 4.9: 26 februari 2025