



## Specification

Concerning Product:	
Article number	29883156CPEUB
Trade name / designation / denomination	Amygdalin (Vitmin B17) Bitter Apricot Extract
CAS number	29883-15-6
Other names / synonyms	•2-phenyl-2-[[[3,4,5-trihydroxy-6-[[[3,4,5-trihydroxy-6-(hydroxymethyl)-2-oxanyl]oxymethyl]-2-oxanyl]oxy]acetonitrile]; •amygdalin;
EC number	249-925-3
Customs tariff number / CN code / TARIC	29389090
Molecular weight [g / mol]	457.42848
Formula	C <sub>20</sub> H <sub>27</sub> NO <sub>11</sub>

Parameter	Test Method	Specification	Unit
<b>Organoleptic test</b>			
Appearance	organolepic	fine Powder	
Colour	organolepic	white	
Flavor and taste		characteristic	
Odour	organolepic	characteristic	
<b>Physical parameter</b>			
Loss on drying	Ph.Eur. 7.0 [2.8.17]	≤ 1,0	%
Bulk density	Ph.Eur. 7.0 [2.9.34]	50 – 65	g/100 ml
Solubility		in Water: insoluble	
<b>Identity</b>			
Assay	HPLC	≥ 98,0	%
Identification	HPTLC	Identical to R. S. sample	
<b>Impurities</b>			
Residue on ignition	Ph.Eur. 7.0 [2.4.16]	≤ 1,0	%
Heavy Metals (as Pb)		≤ 10	ppm
Pesticides	USP36 [561]	residues meet USP requirements	
<b>Residual Solvents</b>			
Residual solvents	Ph.Eur. 7.0 [2.4.24]	meet Pharm.Eur.	
<b>Elemental Impurities</b>			
Arsenic (As)	Ph.Eur. 7.0 [2.2.58] / ICP-MS	≤ 1,0	ppm
Cadmium (Cd)	Ph.Eur. 7.0 [2.2.58] / ICP-MS	≤ 1,0	ppm
Mercury (Hg)	Ph.Eur. 7.0 [2.2.58] / ICP-MS	≤ 0,1	ppm
Lead (Pb)	Ph.Eur. 7.0 [2.2.58] / ICP-MS	≤ 2,0	ppm
<b>Microbiological data</b>			
Escherichia Coli.	USP36 [62]	Neg.	CFU/g

Salmonella	USP36 [62]	Neg.	CFU/g
Total Plate Count	USP36 [61]	≤ 10,000	CFU/g
Yeast and Mould	USP36 [61]	≤ 1,000	CFU/g
<b>Particle size distribution</b>			
Particles	USP36 [786]	< 80 mesh: ≥ 100	%

**Regulatory information:**

**BSE/TSE statement:** Product does not contain ingredients or is produced by raw materials of animal origin.

**GMO statement:** Product does not contain ingredients or is produced by raw materials containing GMOs.

**Irradiated Status:** The product is not getting radiation, by Ultrahigh Temperature Sterilization.

**Nanoparticles:** The product is not getting through nanoparticles processing

**Supplemental information:**

**Shelf life:** 36 month

**Derivation:** Extrahiert aus dem Samen von Prunus Armeniaca L. mit Wasser und Ethanol als Lösungsmittel.

Extrated from the seed of Prunus Armeniaca L. with water and ethanol as solvents.

**Storage conditions:** Store in a well-closed container away from moisture, light, heat, oxygen

**Complies with monographie:** EP7, USP36, GB

**Packing:** 25 kg paper-drums and two plastic-bags inside

**Regional origin:** CN

**Usage:** The product is suitable for a vegetarian nutrition.

The product is suitable for a vegan nutrition.

The product is suitable for lactose intolerance diet.

The product is suitable for people with coeliac disease and sprue.

The product is in compliance with Jewish dietary laws.

The product is in compliance with Islamic dietary laws.

Chemische Werke Hommel GmbH & Co.KG

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Waltrop, 06. Nov. 2019

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