



Specification

Concerning Product:	
Article number	458377DOL95
Trade name / designation / denomination	Curcuma Wurzel Extrakt 95% Turmeric Root Extract 95%
CAS number	458-37-7
Other names / synonyms	•(1E,6E)-1,7-bis(4-hydroxy-3-methoxyphenyl)hepta-1,6-diene-3,5-dione; •1,7-bis(4-hydroxy-3-methoxyphenyl)hepta-1,6-diene-3,5-dione;
EC number	207-280-5
Customs tariff number / CN code / TARIC	32030010
Molecular weight [g / mol]	368.3799
Formula	C ₂₁ H ₂₀ O ₆

Parameter	Test Method	Specification	Unit
Organoleptic test			
Appearance	Visual	Yellow to orange powder	
Flavor and taste	Organoleptic	Characteristic	
Physical parameter			
Loss on drying	USP<731>	≤ 2,0	%
Bulk density	Atomic Absorption	0,3 – 0,5	g/ml
Solubility		Insoluble in water	
Identity			
Assay	HPLC	Curcuminoids ≥ 95	%
Identification	HPTLC	complies	
Impurities			
Aflatoxins	EC 1881/2006	A1+A2+B1+B2: ≤ 10	ppb
Aflatoxins	EC 1881/2006	B1: ≤ 5	ppb
Benzo[a]pyrene (BAP)		≤ 10	ppb
Residue on ignition	USP<281>	≤ 2,0	%
Heavy Metals (as Pb)	Atomic Absorption	≤ 10,0	ppm
Polycyclic aromatic hydrocarbons (PAH)		≤ 50	ppb

Pesticides	EU 396/2005/EC	EU Directive	ppb
Elemental Impurities			
Arsenic (As)	Atomic Absorption	≤ 1,0	ppm
Cadmium (Cd)	Atomic Absorption	≤ 1,0	ppm
Mercury (Hg)	Atomic Absorption	≤ 0,1	ppm
Lead (Pb)	Atomic Absorption	≤ 3,0	ppm
Microbiological data			
Coliform bacteria	USP <2022>	neg.	
Salmonella	USP <2022>	neg.	
Staphylococcus Aureus	USP <2022>	neg.	
Total Plate Count	USP <2021>	≤ 1000	CFU/g
Yeast and Mould	USP <2021>	≤ 100	CFU/g
Particle size distribution			
Particles	USP<786>	80 mesh: ≥ 95	%

Regulatory information:

Residual solvents (EU 2009/32/EC): EU Directive

Supplemental information:

Shelf life: 36 Mon.

Storage conditions: Store in a well-closed container at room temperature, away from light moisture and pest infestation.

Packing: Packed in 25 kg fiber drums with food grade plastic bags inside.

Regional origin: CN

Chemische Werke Hommel GmbH & Co.KG

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Waltrop, 21. Jun. 2019

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