



## Specification

Concerning Product:	
Article number	84775520COL5
Trade name / designation / denomination	Tumeric Wurzel (> 5 % Curcumin)
CAS number	84775-52-0
Other names / synonyms	•Curcuma longa, ext.;
EC number	283-882-1

Parameter	Test Method	Specification	Unit
<b>Organoleptic test</b>			
Appearance	Visual	Orange Yellow Fine Powder	
Flavor and taste	Organoleptic	characteristic	
<b>Physical parameter</b>			
Loss on drying	EP (2-8.17)	≤ 2,14	%
Bulk density		0,30 – 0,70	g/ml
<b>Identity</b>			
Assay	HPLC	≥ 5,4	%
Identification	TLC	positiv	
<b>Impurities</b>			
Aflatoxins	EP (2-8.18)	≤ 2	ppb
Aflatoxins	EP (2-8.18)	B1 + B2 + G1 + G2: ≤ 4	ppb
Benzo[a]pyrene (BAP)	GC-MASS	≤ 10	ppb
Residue on ignition	EP (2-4.16)	≤ 3,16	%
Heavy Metals (as Pb)	ICP-MS	≤ 10	ppm
<b>Elemental Impurities</b>			
Arsenic (As)	ICP-MS	≤ 2	ppm
Cadmium (Cd)	ICP-MS	≤ 1	ppm
Mercury (Hg)	ICP-MS	≤ 0,1	ppm
Lead (Pb)	ICP-MS	≤ 2	ppm
<b>Microbiological data</b>			
Escherichia Coli.		neg.	
Salmonella		neg.	
Staphylococcus Aureus		neg.	
Total Plate Count		≤ 10000	CFU/g
Yeast and Mould		≤ 300	CFU/g
<b>Particle size distribution</b>			
Particles	Mesh Screen	80 mesh	%

**Regulatory information:**

**BSE/TSE statement:** BSE/TSE free

**GMO statement:** GMO free

**Supplemental information:**

**Shelf life:** 2 years if sealed and store away from direct sun light

**Storage conditions:** Store in a well-closed container away from moisture

**Packing:** Pack in paper-drums and two plastic-bags inside

Chemische Werke Hommel GmbH & Co.KG

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Waltrop, 03. Jul. 2019

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