



## Specification

Concerning Product:	
Article number	58855CPUL2
Trade name / designation / denomination	D-Biotin 2% USP
CAS number	58-85-5
Other names / synonyms	•biotin; •Biotine 2%; •Biotine pure; •vitamin H; •5-(2-oxo-1,3,3a,4,6,6a-hexahydrothieno[3,4-d]imidazol-4-yl)pentanoic acid;
EC number	200-399-3
Customs tariff number / CN code / TARIC	29362900
Molecular weight [g / mol]	244.31064
Formula	C <sub>10</sub> H <sub>16</sub> N <sub>2</sub> O <sub>3</sub> S

Parameter	Specification	Unit
<b>Organoleptic test</b>		
Colour	white or off-white	
<b>Physical parameter</b>		
Form	crystalline powder	
Form	kristallines Pulver	
Loss on drying	≤ 0,5	%
Specific Optical Rotation	+89 – +93	°
<b>Identity</b>		
Assay	≥ 2,0	%
Identification	IR Spectrum complies	
<b>Microbiological data</b>		
Escherichia Coli.	≤ 30	MPN/100g
Salmonella	neg.	

Staphylococcus Aureus	neg.	
Total Plate Count	≤ 1000	CFU/g
Yeast and Mould	≤ 100	CFU/g
<b>Particle size distribution</b>		
Particles	> 80 mesh: ≤ 100	%

**Regulatory information:**

**Residual solvents:** Benzene: ≤ 2 ppm

DMSO: ≤ 5000 ppm

Toluene: ≤ 100 ppm

**Supplemental information:**

**Shelf life:** 24 mon.

**Storage conditions:** In a cool and dry place.

**Complies with monographie:** USP34

**Packing:** 25-kg cardboard drums

**Regional origin:** CN

Chemische Werke Hommel GmbH & Co.KG

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Waltrop, 11. Apr. 2019

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