



## Specification

Concerning Product:	
Article number	10101414MIR
Trade name / designation / denomination	Calciumsulfat-dihydrat, rein
CAS number	10101-41-4
Other names / synonyms	•Calcium Sulfate, Dihydrate, BiotechGrade; •Calcium Sulfate, Dihydrate, FCC; •Calcium Sulfate, Dihydrate, NF; •Calcium Sulfate, Dihydrate, Reagent, ACS; •Calcium Sulfate, Dihydrate, Technical; •Calcium sulfate dihydrate; •Calcium sulfate dihydrate, ACS, 98.0-102.; •Sulfuric acid, calcium salt, hydrate (1:1:2); •calcium sulfate dihydrate;
EC number	600-148-1 231-900-3
Customs tariff number / CN code / TARIC	28332980
Molecular weight [g / mol]	136,11
Formula	CaSO <sub>4</sub> CaO <sub>4</sub> S

Parameter	Specification	Unit
<b>Organoleptic test</b>		
Appearance	fine white to light yellowish powder	
Colour	Whiteness ≥ 80	%
Odour	odourless	
<b>Physical parameter</b>		
Loss on drying	(250 °C) 15 – 21	%
pH value	6 – 8	
Bulk density	≤ 800	g/ml
Solubility	soluble in water, insoluble in ethanol	
<b>Identity</b>		
Assay	≥ 99	%
Identification	complies	

<b>Elemental Impurities</b>		
Arsenic (As)	≤ 3	ppm
Fluorine (F)	≤ 30	ppm
Mercury (Hg)	≤ 1	ppm
Lead (Pb)	≤ 2	ppm
Selenium (Se)	≤ 30	ppm
<b>Particle size distribution</b>		
Particles	Sieve residue (>0,09 mm) ≤ 0,11	%

**Supplemental information:**

**Derivation:** mineral origin

**Regional origin:** D

Chemische Werke Hommel GmbH & Co.KG

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Waltrop, 15. Dec. 2022

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