

Copper Sulphate Pentahydrate technical grade microcrystals

Product Datasheet

Item number: 60-031

PHYSICAL AND CHEMICAL PROPERTIES

Chemical formula:	CuSO ₄ · 5H ₂ O	Melting point :	decomposes over 560°C
Molecular weight:	249.68	Apparent density:	about 1.2 g/cm ³
Odour:	odourless	Solubility in water:	266 g/l a 20°C

PHYSICAL AND CHEMICAL SPECIFICATION

Only the parameters present in this section (physical and chemical specification) will be insert in the certificate of analysis

Specification	Method	Typical value	Limit value
Aspect	Sensorial	Light blue microcrystal	
Purity (%)	MA-001(ο MA-002)	99 - 101	min. 98,5%
Cu content (%)	MA-001(ο MA-002)	25,2 - 25,7	min. 25,1%
pH (5% water solution)	MA-003		3 – 4,2
Insoluble matter (%)	MA-004	0,01 - 0,05	max 0,2%
Main impurities:			
Ni (ppm)	MA-020	10 - 50	max 100
Zn (ppm)	MA-020	30 - 80	max 150
Fe (ppm)	MA-020	25 - 60	max 150
Pb (ppm)	MA-020	10 - 60	max 125
Cd (ppm)	MA-020	1 - 3	max 5
As (ppm)	MA-008	1 - 3	max 10
Co (ppm)	MA-020	1 - 3	max 25

OTHER INFORMATION

- CRYSTAL SIZE** (this data are only indicative and may be subjected to variation without any notice)

Crystals size (µm)	> 1000	1000 - 500	500 - 400	400 - 300	300 - 200	200 - 100	< 100
Weight (%)	trace	0 – 10	5 – 15	15 – 30	25 – 35	20 – 30	8 - 15

- PACKAGING AVAILABLE**
- polyethylene bags of 25 Kgs (net weight).