

46350 Zink Sulphide

Chemical composition: ZnS
 Color Index No.: Pigment White 7
 CAS No.: 1314-98-3

Typical Properties

- resistant in pH range 4-12
- low abrasiveness due to a low Mohs' sche hardness
- good dispersibility
- high purity, free from byelements
- low absorption in the near UV range
- neutral color hue
- meets the requirements of VDA-list 232-101, EN 71/3, AP 89 (1) / AP 96 (5). FDA accord. 21 CFR§ 178.3297

Technical Data

ZnS	> 98 %
Organic treatment	none
Colormetric values L* (powder)	> 97
Crystal size	approx. 0.3 µm
Sieve residue (Mesh size 45 µm)	< 0.02
pH-Value	approx. 6
Specific gravity	approx. 4 g/cm ²
Specific surface area	approx. 8 m ² /g
Relative scattering power (Reference pigment ZnS=100 PVK=17%)	approx. 54
Hardness	3 Mohs

Product Specification

Test Parameter	Lower / Upper Limit	Method
Sieve residue (> 45 µm)	max. 0.020 %	S-1002
Loos on drying (105°C)	max. 0.30 %	S-1003A
Relative scattering power	50.0 %	SC-2002
Color coordinate L* (power)	96.50	S-1006