

SODIUM SULPHATE

GENERAL DESCRIPTION AND CHARACTERISTICS

Anhydrous sodium sulphate, white free flowing powder.
Molecular formula, Na₂SO₄.
Molecular weight, 141.94.
EEC No. 231-820-9.
CAS No. 7757-82-6.
True density 2.70g/cm³.
Bulk density approx. 1.5g/cm³.
Soluble in water, at 20°C approx. 16% w/w, at 100°C approx. 30% w/w.

SPECIFIED CHARACTERISTICS – Standard grade

	<u>Maximum</u>	<u>Minimum</u>
% Na ₂ SO ₄		99.7
% NaCl	0.015	
% Na ₂ CO ₃	0.02	
% H ₂ O	0.1	
pH of 1% Solution		5
mg/kg Ca	300	
mg/kg Cr	5	
[1] mg/kg Fe, Pb, Al	5	
[1] mg/kg Cu, Ni, Co	3	
[1] mg/kg Cd, Mg	2	
[1] mg/kg As, Zn	1	
Bulk density g/cm ³	1.60	1.50
[2] Size analysis;		
% >0.850mm	0	
% >0.500mm	5	
% >0.355mm	25	
% >0.250mm	50	
% >0.150mm	75	
% >0.075mm	90	

Note

[1] Of each element.

[2] Typical values only.