



PRODUCT DATA SHEET - INDUSTRIAL CHEMICALS

BORIC ACID Standard Grade - Crystallized
CAS N° 10043 - 35 - 3

GENERAL DESCRIPTION	
CHEMICAL FORMULA	H ₃ BO ₃
APPEARANCE	Granular crystals
INTERNAL CODE	BA

CHEMICAL SPECIFICATIONS			
GUARANTEED			
BORON	B	%	17.4 min
PURITY	H ₃ BO ₃	%	99.6 min
	B ₂ O ₃	%	56.0 min
CHLORIDE	Cl	%	0.05 max
SULPHATE	SO ₄	%	0.05 max
IRON OXIDE	Fe ₂ O ₃	%	0.001 max
ARSENIC	As	%	0.0001 max

TYPICAL SIEVE ANALYSIS			
(CUMULATIVE %)			
US Standard Sieve	Tyler	mm	
+100	+100	0.15	59%
+200	+200	0.08	89%

PHYSICAL PROPERTIES	
MOLECULAR WEIGHT	61.83
MELTING POINT (transforms to HBO ₂)	336 °F
SOLUBILITY (in water at 68 °F)	0.42 lb/gal
SPECIFIC GRAVITY	1.512

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