



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		ABO
CODE NUMBER		0001

CHEMICAL SPECIFICATIONS			
GUARANTEED			
PURITY	H ₃ BO ₃	%	99.6 min
	as B ₂ O ₃	%	56.0 min
	as B	%	17.4 min
CHLORIDE	Cl	%	0.05 max
SULPHATE	SO ₄	%	0.05 max
IRON OXIDE	F 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)		169 °C
SOLUBILITY (in water at 20 °C)		5.0 g/ 100 cm ³
SPECIFIC GRAVITY		1.512

Before using this product, please read the product specifications, the material safety data sheet and any other applicable product literature. The conditions of your use and application of our products, technical assistance and information (whether verbal, written, or by way of production evaluations), including any suggested formulations and recommendations, are beyond our control. Therefore, it is imperative that you test our products, technical assistance and information to determine to your own satisfaction whether they are suitable for your intended uses and applications. This application-specific analysis at least must include testing to determine suitability from a technical as well as health, safety, and environmental standpoints. It is also not recommended that the product be used for any described purpose without verification by the user of compliance with all applicable laws, regulations and registration requirements. No warranty is made as to the accuracy of any data or statements contained herein. While this product is furnished in good faith, this product is provided to you without any representation or warranty, expressed or implied, as to quality, condition, utility, merchantability, completeness, suitability or fitness for any particular purpose or use or any other matter or thing whatsoever and without recourse against SQM in any event. Without limiting the generality of the foregoing, SQM specifically disclaims any responsibility or liability relating to the use of this product and shall not in any event, be liable for any special, incidental or consequential damages arising from such use.