

	BOROCHÉMIE (M) SDN. BHD. 200201013240 (580903-H)	Document No:	QR-LB-002
	Document Title: TECHNICAL SPECIFICATION ACTIBOR 20	Date Issued:	01-01-2023
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Product Name:	ACTIBOR 20
Chemical Name:	Di Sodium Octaborate Tetrahydrate
Chemical Formula:	$\text{Na}_2\text{B}_8\text{O}_{13} \cdot 4\text{H}_2\text{O}$
Chemical Family:	Inorganic Borates
Appearance:	Fine, White Odourless, Non-Crystalline Powder
CAS No:	12280-03-4

The above product carry the following technical specifications:

No.	Test Parameters	Unit	BRC Standards
1.	Boron Content (As B)	%	20.50% Min, 20.9 % Typical
2.	Boron Content (As B_2O_3)	%	67.50% Typical
3.	Na_2O Content	%	15.02% Typical
4.	Insolubility in Water	%	0.015% Max
5.	Bulk Density (Loose)	gr/cm^3	0.410 - 0.570
6.	Sieve Analysis	$-75\mu\text{m}$	80% Min
7.	Solubility in Water		
	@ 20 Deg C	%	9.74%
	@ 30 Deg C		24.36%
	@ 40 Deg C	%	29.14%
	@ 50 Deg C	%	35.36%
8.	pH @ 20 Deg C		
	for 3.0% solution		8.28
	for 10.0% solution		7.75

Remarks:

NOTICE: Before using these products, please read the Product Specifications, the Material Safety Data Sheets and any other applicable product literature. The descriptions of potential uses for these products are provided only by way of example. The products are not intended or recommended for any unlawful or prohibited use including, without limitation, any use that would constitute infringement of any applicable patents. Nor is it intended or recommended that the products be used for any described purposes without verification by the user of the products' safety and efficacy for such purposes, as well as ensuring compliance with all applicable laws, regulations and registrations. Suggestions for use of these products are based on data believed to be reliable. The seller shall have no liability resulting from misuse of the products and provides no guarantee, whether expressed or implied, as to the results obtained if the products are not used in accordance with directions or safe practices. The buyer assumes all responsibility, including any injury or damaged, resulting from misuse of the product, whether used alone or in combination with other materials.

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