



## CERTIFICATE OF ANALYSIS

**PRODUCT NAME : di-SODIUM TETRABORATE (BORAX) DECAHYDRATE AR**

<b>CAS No</b>	<b>: 1303-96-4</b>	<b>Product code</b>	<b>: 26160</b>
<b>Mol. Formula</b>	<b>: Na<sub>2</sub>B<sub>4</sub>O<sub>7</sub>·10H<sub>2</sub>O</b>	<b>Batch No.</b>	<b>: MCRT-29639</b>
<b>Mol. WT</b>	<b>: 381.37</b>	<b>Mfd.</b>	<b>: Nov. 2023</b>
<b>Date of analysis</b>	<b>: 03/11/23</b>	<b>Exp.</b>	<b>: Oct. 2028</b>

S.R	Test	Specification	Observation
1	<b>Description</b>	Colourless crystals or White crystalline powder or powder.	White crystalline powder.
2	<b>Assay</b>	99.5 - 102.5 %	99.76%
3	<b>pH of (0.05 M solution)</b>	9.1- 9.3	9.29
4	<b>Insoluble matter</b>	0.003% max	0.002%
5	<b>Boric oxide (B<sub>2</sub>O<sub>3</sub>)</b>	0.2% max	<0.2%
6	<b>Sodium oxide (Na<sub>2</sub>O)</b>	0.2% max	<0.2%
7	<b>Carbonate (CO<sub>3</sub>)</b>	0.05% max	<0.05%
8	<b>Chloride (Cl)</b>	0.0005% max	<0.0005%
9	<b>Phosphate (PO<sub>4</sub>)</b>	0.001% max	<0.001%
10	<b>Sulphate (SO<sub>4</sub>)</b>	0.0025 % max	<0.0025 %
11	<b>Arsenic (As)</b>	0.0002% max	<0.0002%
12	<b>Calcium(Ca)</b>	0.002%max	<0.002%
13	<b>Copper(Cu)</b>	0.0005% max	<0.0005%
14	<b>Iron(Fe)</b>	0.0005% max	<0.0005%
15	<b>Lead (Pb)</b>	0.0005% max	<0.0005%
16	<b>Magnesium (Mg)</b>	0.002% max	<0.002%

**REMARK: THE PRODUCT COMPLIES WITH THE ABOVE SPECIFICATIONS**

**[Tested By]**

**[QC Incharge]**

**CHEMIST  
(Asmita)**

**HEAD-QUALITY ASSURANCE  
(G.G.Salian)**

**Note:** Computer generated image requires no sign.

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