



## CERTIFICATE OF ANALYSIS

**PRODUCT NAME : CADMIUM NITRATE AR (TETRAHYDRATE)**

<b>CAS No</b>	<b>: 10022-68-1</b>	<b>Product code</b>	<b>: 22405</b>
<b>Mol. Formula</b>	<b>: Cd(NO<sub>3</sub>)<sub>2</sub>.4H<sub>2</sub>O</b>	<b>Batch No</b>	<b>: MCRT-13099-04</b>
<b>Mol. WT</b>	<b>: 308.47</b>	<b>Mfd.</b>	<b>: April 2023</b>
<b>Date of analysis</b>	<b>: 22/04/23</b>	<b>Exp.</b>	<b>: March 2028</b>

S. R	Test	Specification	Observation
1	<b>Description</b>	Colourless deliquescent crystals or crystalline powder.	Colourless deliquescent crystals.
2	<b>Assay (ex cd)</b>	99.0 % min	99.78%
3	<b>Melting Point</b>	about 59 <sup>0</sup> C	59 <sup>0</sup> C
4	<b>Insoluble matter</b>	0.002% max.	0.0007%
5	<b>Chloride(Cl)</b>	0.001 % max	< 0.001 %
6	<b>Sulphate(SO<sub>4</sub>)</b>	0.002% max	< 0.002 %
7	<b>Lead (Pb)</b>	0.003% max.	<0.003 %
8	<b>Copper (Cu)</b>	0.001% max.	<0.001 %
9	<b>Iron(Fe)</b>	0.001 % max	< 0.001 %
10	<b>Zinc(Zn)</b>	0.001% max	<0.001%
11	<b>Calcium (Ca)</b>	0.005 % max	< 0.005 %
12	<b>Sodium(Na)</b>	0.005% max	< 0.005%

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

**[Tested By]**

**[QC Incharge]**

**CHEMIST**  
**(Priti)**

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

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

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