CERTIFICATE OF ANALYSIS

PRODUCT NAME : CADMIUM NITRATE AR (TETRAHYDRATE)

CAS No	**: 10022-68-1**	**Product code**	**: 22405**
Mol. Formula	**: $Cd(NO_3)_2.4H_2O$**	**Batch No**	**: MCRT-24500-04**
Mol. WT	**: 308.47**	**Mfd.**	**: Nov. 2024**
Date of analysis	**: 28/11/24**	**Exp.**	**: Oct. 2029**

S.R	Test	Specification	Observation
1	**Description**	Colourless deliquescent crystals or crystalline powder.	Colourless deliquescent crystals.
2	**Assay (ex cd)**	99.0 % min	99.44%
3	**Melting Point**	about 59^0C	59^0C
4	**Insoluble matter**	0.002% max.	0.0006%
5	**Chloride(Cl)**	0.001 % max	< 0.001 %
6	**Sulphate(SO_4)**	0.002% max	< 0.002 %
7	**Lead (Pb)**	0.003% max.	<0.003 %
8	**Copper (Cu)**	0.001% max.	<0.001 %
9	**Iron(Fe)**	0.001 % max	< 0.001 %
10	**Zinc(Zn)**	0.001% max	<0.001%
11	**Calcium (Ca)**	0.005 % max	< 0.005 %
12	**Sodium(Na)**	0.005% max	< 0.005%

REMARK: THE PRODUCT COMPLIES WITH THE ABOVE SPECIFICATIONS

[Tested By]

CHEMIST
(Durvas)

MOLYCHEM Badlapur

[QC Incharge]

HEAD-QUALITY ASSURANCE
(G.G.Salian)

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