CERTIFICATE OF ANALYSIS

PRODUCT NAME : MANGANESE (II) CHLORIDE AR (TETRAHYDRATE)

CAS No	**: 13446-34-9**	**Product code**	**: 23930**
Mol. Formula	**: $MnCl_2.4H_2O$**	**Batch No**	**: MCRT-25335**
Mol. WT	**: 197.90**	**Mfd.**	**: March 2022**
Date of analysis	**: 21/03/22**	**Exp.**	**: Feb. 2027**

S. R	Test	Specification	Observation
1	**Description**	Pink crystals or crystalline powder	Pink crystalline powder
2	**Assay**	98.0-101.0 % w/w	99.53% w/w
3	**Insoluble matter**	0.003% max	0.001%
4	**Sulphate (SO_4)**	0.0025% max	<0.0025%
5	**Barium (Ba)**	0.01% max	<0.01%
6	**Calcium (Ca)**	0.04% max	<0.04%
7	**Copper (Cu)**	0.0002% max	<0.0002%
8	**Iron (Fe)**	0.001% max	<0.001%
9	**Lead (Pb)**	0.0002% max	<0.0002%
10	**Magnesium (Mg)**	0.04% max	<0.04%
11	**Nickel (Ni)**	0.002% max	<0.002%
12	**Potassium (K)**	0.01% max	<0.01%
13	**Sodium (Na)**	0.02% max	<0.02%
14	**Zinc (Zn)**	0.02% max	<0.02%
15	**Substances reducing iodine (I)**	0.0065% max	<0.0065%

REMARK: THE PRODUCT COMPLIES WITH THE ABOVE SPECIFICATIONS

[Tested By] **[QC Incharge]**

HEAD-QUALITY ASSUARANCE
(G.G.Salian)

Note: Computer generated image requires no sign.

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