CERTIFICATE OF ANALYSIS

PRODUCT NAME : CAFFEINE AR (ANHYDROUS)

CAS No	**: 58-08-2**	**Product code**	**: 22420**
Mol. Formula	**: $C_8H_{10}N_4O_2$**	**Batch No.**	**: MCRT-27062**
Mol. WT	**: 194.20**	**Mfd.**	**: Nov. 2022**
Date of analysis	**: 28/11/22**	**Exp.**	**: Oct. 2027**

S. R	Test	Specification	Observation
1	**Description**	White to almost white powder	Almost white powder
2	**Assay**	99% w/w min	99.40% w/w
3	**Melting point**	235^0 to 237^0c	235.5^0c
4	**Water insoluble matter**	0.005% max	0.004%
5	**Acidity**	0.5 ml N% max	< 0.5 ml N%
6	**Loss on drying (at 80^0c) for 4 hrs**	0.5% max	0.13%
7	**Sulphated ash**	0.05% max	0.02%
8	**Copper (Cu)**	0.0002% max	< 0.0002%
9	**Iron (Fe)**	0.0002 % max	< 0.0002%
10	**Lead (Pb)**	0.0002 % max	< 0.0002%
11	**Zinc (Zn)**	0.0002 % max	< 0.0002%
12	**Theobromine ($C_7H_8N_4O_2$)**	0.2 % max	< 0.2%

REMARK: THE PRODUCT COMPLIES WITH THE ABOVE SPECIFICATIONS

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

CHEMIST
(Jyoti)

HEAD-QUALITY ASSURANCE
(G.G.Salian)

Note: Computer generated image requires no sign.

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