

CERTIFICATE OF ANALYSIS

PRODUCT NAME : CAFFEINE AR (ANHYDROUS)

CAS No	: 58-08-2	Product code	: 22420
Mol. Formula	: C ₈ H ₁₀ N ₄ O ₂	Batch No.	: MCAR-00580
Mol. WT	: 194.20	Mfd.	: Sept. 2024
Date of analysis	: 14/09/24	Exp.	: Aug. 2029

S.R	Test	Specification	Observation
1	Description	White to almost white powder	White powder
2	Assay	99% w/w min	99.92% w/w
3	Melting point	235 ⁰ to 237 ⁰ c	236.9 ⁰ c
4	Water insoluble matter	0.005% max	0.003%
5	Acidity	0.5 ml N% max	< 0.5 ml N%
6	Loss on drying (at 80⁰c) for 4 hrs	0.5% max	0.26%
7	Sulphated ash	0.05% max	0.01%
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 (C₇H₈N₄O₂)	0.2 % max	< 0.2%

REMARK: THE PRODUCT COMPLIES WITH THE ABOVE SPECIFICATIONS

[Tested By]



**CHEMIST
(Sayli)**

[QC Incharge]



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

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