

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.	: MCRT-27062-01
Mol. WT	: 194.20	Mfd.	: Dec. 2023
Date of analysis	: 15/12/23	Exp.	: Nov. 2028

S. R	Test	Specification	Observation
1	Description	White to almost white powder	Almost white powder
2	Assay	99% w/w min	99.38% w/w
3	Melting point	235 ⁰ to 237 ⁰ c	235.5 ⁰ c
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 80⁰c) for 4 hrs	0.5% max	0.16%
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 (C₇H₈N₄O₂)	0.2 % max	< 0.2%

REMARK: THE PRODUCT COMPLIES WITH THE ABOVE SPECIFICATIONS

[Tested By]

[QC Incharge]

**CHEMIST
(Deepa)**

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

Note: Computer generated image requires no sign.

MOLYCHEM H.Q. : Maker Tower 'E', 41-A2, 4th Floor, Above Maker Arcade, Cuffe Parade, Mumbai 400 005 (INDIA)

Tel. : +91 22 4066 8111 • Email: info@molychem.net • Web: www.molychem.net

Reg. Office : 78/80 Babu Genu Road, Souri Bldg., 2nd Floor, Mumbai - 400 002 (INDIA)

Works : Unit I - Plot No. B/9, Unit II - Plot No. B/11, Badlapur M.I.D.C., Opp. Shobhavat Textile Co., Kulgaon, Badlapur (E), Dist.-Thane-421 503.