



CERTIFICATE OF ANALYSIS

PRODUCT NAME : CAFFEINE AR (ANHYDROUS)

CAS No : 58-08-2
Mol. Formula : $C_8H_{10}N_4O_2$
Mol. WT : 194.20
Date of analysis : 14/03/22

Product code : 22420
Batch No. : MCRT-25299
Mfd. : March 2022
Exp. : Feb. 2027

S. R	Test	Specification	Observation
1	Description	White to almost white powder	White powder
2	Assay	99% w/w min	99.50% w/w
3	Melting point	235 ⁰ to 237 ⁰ c	236.3 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 80 ⁰ c) for 4 hrs	0.5% max	0.48%
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 ₇ H ₈ N ₄ O ₂)	0.2 % max	< 0.2%

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.

MOLYCHEM Office: 78/80 Babu Genu Road, Souri Bldg., 2nd Floor, Mumbai – 400 002 (INDIA)
Tel: +91 22 4066 8111, 2205 7772 . **Fax:** + 91 22 2203 4442. **Email :** info@molychem.net
Works: Plot No. B/9, Badlapur M.I.D.C., OPP.Shobhavat Textile Co.,
Kulgaon, Badlapur (E), Dist.-Thane-421 503