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## Certificate of Analysis

<b>Product</b>	<b>47633 - Caffeine Anhydrous ExiPlus, Multi-Compendial, 98.5% - [58-08-2]</b>
<b>Batch No</b>	<b>5411910</b>
<b>Analysis Date</b>	28-Apr-2024
<b>Date of Manufacture</b>	April 2024
<b>Expiry Date/Re-Test Date</b>	April 2029
<b>Molecular Formula</b>	C <sub>8</sub> H <sub>10</sub> N <sub>4</sub> O <sub>2</sub>
<b>Molecular Weight</b>	194.19

Test Parameters	Standards	Actual Results
ExiPlus	meets compendial specs of BP, Ph.Eur, USP	Passes
Appearance (Colour)	White to almost white	Almost white
Appearance (Form)	Crystalline powder	Crystalline powder
Solubility (Turbidity) 1% aq. solution	Clear	Clear
Solubility (Colour) 1% aq. solution	Colourless	Colourless
Identification (IR Spectrum)	Passes test	Passes
Assay (NT)	min. 98.5%	98.8%
Melting Point	234 - 239°C	239°C
Loss on drying	max. 0.5%	0.3%
Sulphated Ash	max. 0.1%	0.02%
Acidity	Passes test	Passes
Heavy Metals (Pb)	max. 0.002%	Passes
Sulphate (SO <sub>4</sub> )	max. 0.05%	Passes

FRM/82/11/4/47633 Rev No. 3 Date 17/01/2023

Prepared by **Prajakta**

In compliance with the standard specifications of SRL

Plant Site 2 : H-4, MIDC, Taloja – 410 208, Maharashtra, India

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