

ASES CHEMICAL WORKS

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CERTIFICATE OF ANALYSIS

Product Name: Ethyl Ascorbic Acid
CAS Number: 86404-04-8
Molecular Formula: $C_8H_{12}O_6$
Molecular Weight: 204.178
Batch Number & Mfg Date: As Mentioned on Label
Expiry Date: 2 Years from Mfg Date.
Date of Analysis: June - 2024

Test	Specification	Result
Appearance	White to off-white crystalline powder	Complies
Assay (HPLC)	$\geq 99\%$	99.7%
Melting Point	111 - 115°C	112.9 - 113.8°C
Color of Solution	≤ 25 (3% water solution)	25
Heavy Metals	≤ 20 ppm	Complies
Moisture	$\leq 1.0\%$	0.1%
Arsenic	≤ 2 ppm	Complies
Ash	$\leq 0.1\%$	Complies
Free VC (HPLC)	≤ 10 ppm	9.5 ppm