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Certificate of Analysis

Catalogue Number	39267
Product	β-Carotene
Lot Number	002197-230817
	Provitamin A
CAS Number	7235-40-7
Molecular Formula	C ₄₀ H ₅₆
Molecular Weight	536.89

Appearance	Red to brownish-red crystalline powder
Clarity & Color	Clarity : Passes test
Melting Point	178.4 - 179.5 °C
Heavy Metals	< 10 mg/Kg
Cation	Lead (Pb) : < 0.5 mg/Kg Mercury (Hg) : < 0.1 mg/Kg Arsenic salt (As) : < 1 mg/Kg Cadmium (Cd) : < 0.5 mg/Kg
Loss on Drying	< 0.1%
Residual Solvents	Passes test
Related Substances	Alpha carotene : 0.4% Impurity C : 0.4% Impurity D : 1.1% Impurity E : 1% Impurity H : 0.3% Impurity G : 0.1% Unspecified impurities : < 0.15% Total related compounds : 3.4% Subsidiary colouring matters : 1%
Residue On Ignition	0.02%
Assay	99.1%
Storage	Store at -10 °C
Additional Information	Identification A, B : Passes test

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Remarks

See material safety data sheet for additional information

For laboratory use only

The foregoing is a copy of the Certificate of Analysis as provided by our supplier



Bala Kumar
Quality Control Manager