

CERTIFICATE OF ANALYSIS

1. Basic Information

Chemical Name: BETA-CAROTENE	CAS Number: 7235-40-7
Molecular Weight: 536.87	Molecular Formula: C ₄₀ H ₅₆
Batch Number: 2023121701	Manufacturing Date: 17 th Dec.2023
Quantity: 300KG	Retest Date: 16 th Jun.2025

2. Physical Characteristics

Items	Standard	Result
Appearance	Amaranth or red crystalline powder	Qualified
Identification	Correspond	Qualified
M.P.	176~182°C	177.2~179.1°C
Loss on drying	≤0.2%	0.07%
Heavy Metals*	≤5mg/kg (Test once every six months)	<5mg/kg
Arsenic*	≤1mg/kg (Test once every six months)	<1mg/kg
Pb*	≤2 mg/kg (Test once every six months)	<2mg/kg
Sulphated Ashes	≤0.20%	0.04%
OVI	Meets USP requirement	Qualified
Assay	≥98.0%	99.7%
Actual Tested Results	Comply With EP9.6 Standard	

QC Manager: Liu Si

Checker: Hu Kai

Approved: Shao Jin