



INDOFINE Chemical Company, Inc.

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CERTIFICATE OF ANALYSIS

Product Name: TRANS- β -APO-8'-CAROTENAL
>= 96.0 % UV

Product Number: 020330
Batch Number: 1303304

CAS Number: 1107-26-2
Formula: $C_{30}H_{40}O$
Formula Weight: 416.64
Storage Temperature: -18 C

TEST	SPECIFICATION	RESULT
APPEARANCE (COLOR)	BLUE-BLACK	VERY DARK BLUE
APPEARANCE (FORM)	POWDER OR CRYSTAL OR CHUNK(S)	POWDER
PURITY (TLC AREA %)	≥ 96.0 %	99.0 %
MELTING POINT	137 - 141 C	138 C
SOLUBILITY (COLOR)	RED-ORANGE TO VERY DEEP RED-ORANGE	VERY DEEP RED
SOLUBILITY (TURBIDITY)	CLEAR TO VERY FAINTLY TURBID (< 12.5 NTU)	CLEAR (<3.5 NTU)
SOLUBILITY (METHOD)	1 MG/ML CHLOROFORM	1 MG/ML CHLOROFORM
LOSS ON DRYING	≤ 0.5 %	< 0.05 %
INFRARED SPECTRUM	CONFORMS TO STRUCTURE	CONFORMS
WAVELENGTH (1) (UV)	458 - 464 NM	460.4 NM
MOLAR ABSORBANCY INDEX (1)	--	107597.8
ASSAY (1) (UV)	96.0 - 102.0 %	97.8 %
SOLVENT (UV)	CHLOROFORM/CYCLOHEXANE	CHLOROFORM/CYCLOHEXANE