



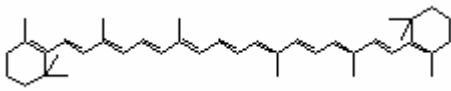
HANGZHOU DINGYAN CHEM CO., LTD

Tel:86-571-87157530 Fax:86-571-87156470

Email:sales@dingyanchem.com

CERTIFICATE OF ANALYSIS

NO: DYC021312051

Product name	Beta-Carotene (USP34/EP7)
CAS Number	7235-40-7;116-32-5
Molecule Structure	
Molecule Formula	C40H56
Batch No.	20130320
Manuf. Date	2013-03-20
Testing Date:	2013-03-21

Items	Standard	Result
Appearance	A brown-red or brownish-red,crystalline powder	Qualified
Purity	98.0~101.0%	100.5%
M.P.	176-182℃	177.3-179.1℃
A455nm/A340nm	≥1.5	2.0
A455nm/A483nm	1.14-1.18	1.16
Identification	Correspond	Qualified
Loss on drying	0.20% max	0.03%
Heavy Metals	≤10 ppm	Qualified
Pb	≤2 ppm	Qualified
Mercury	≤0.1 ppm	Qualified
Arsenic	≤2 ppm	Qualified
Sulphated Ashes	0.20% max	0.06%
OVI	Meets USP requirement	Qualified
Total Plate count	≤1000CFU/gm	Qualified
Mould&Yeast	≤100CFU/gm	Qualified
E.Coli	Negative(In 10g)	Negative
Salmonella	Negative(In 25g)	Negative

Hangzhou Dingyan Chem Co., Ltd.
QUALITY CONTROL: Xuefen Chen
CHECK: 姚仙娟

INSPECTOR: 刘清风