

# Wilmar Nutrition (Jiangsu) Co., Ltd

HI0137  
R20213

No.6, North Shugang Road, Yonganzhou Town, Gaogang District, Taizhou Jiangsu Province

## Certificate of Analysis

<b>Product</b>	<b>D-α-Tocopheryl Acetate 700 IU / Gram, Powder, CWS</b>	<b>Ref. Standard:</b>	<b>USP</b>
		<b>Batch / Lot #</b>	<b>231007AP01</b>
<b>CAS # (Active) :</b>	58-95-7	<b>MFG Date</b>	<b>10/7/2023</b>
<b>Formula (Active):</b>	C <sub>31</sub> H <sub>52</sub> O <sub>3</sub>	<b>Retest Date</b>	<b>10/6/2025</b>
<b>PAT Item # :</b>	60-8882	<b>Batch Size</b>	<b>1,250 KG</b>
<b>Country of Origin :</b>	China	<b>Pack Size</b>	<b>25 KG / Drum</b>

Analysis Contents	Specification	Methods	Results
DESCRIPTION	White to off-white powder	Visual	Conforms
IDENTIFICATION	Positive	USP	Conforms
PARTICLE SIZE	NLT 95% through 30 mesh	USP	99.84
BULK DENSITY	NLT 0.30 gram / mL	USP	0.42 gram / mL
TAPPED DENSITY	NLT 0.40 gram / mL	USP	0.53 gram / mL
SPECIFIC ROTATION	≥ +24.00°	GB 1886.233	+24.16°
HEAVY METAL	≤ 10 PPM	GB 5009.74	< 10 PPM
ARSENIC	≤ 3 PPM	In-House	< 3 PPM
CADMIUM	≤ 1 PPM	In-House	< 1 PPM
LEAD	≤ 2 PPM	In-House	< 2 PPM
MERCURY	≤ 0.1 PPM	In-House	< 0.1 PPM
RESIDUAL SOLVENTS	Free of any Solvents	GC-MS	Conforms
LOSS ON DRYING (%)	≤ 5.00%	GB 5009.236	<b>1.90%</b>
ASSAY (on dried basis)	≥ 700 IU / Gram	WPLC	<b>713.73 IU / Gram</b>
CARRIER	Modified starch, ≤ 50.0%	Formula	Conforms
FLOW AGENT	Silica, ≤ 0.5%	Formula	Conforms
<b>MICROBIOLOGY</b>			
TOTAL PLATE COUNT	≤ 1,000 CFU / Gram	GB 4789.2	< 1,000 CFU / Gram
YEAST & MOLD	≤ 100 CFU / Gram	GB 4789.15	< 100 CFU / Gram
COLIFORMS	≤ 10 CFU / Gram	GB 4789.3	< 10 CFU / Gram
E. COLI	Negative	GB 4789.38	Negative
STAPH. AUREAUS	Negative	GB 4789.10	Negative
SALMONELLA	Negative	GB 4789.4	Negative
<b>CONCLUSION</b>	<b>The above product conforms to listed standard(s)</b>		

QC Department

Verified by:

MN

Analyst:

JJ

Date:

11/15/2023

Date:

11/15/2023

Distributed by PAT Vitamins