



XIAMEN KINGDOMWAY BIOTECH. CO., LTD.

CERTIFICATE OF ANALYSIS

RI 0464
R 18727

Report Date: MAY.06, 2021

Name: Vitamin A Palmitate Powder Quantity: :500kgs
Batch No.: :5831-2104002A Type: :CWD(Food Grade)
Manu. Date: :APR.28, 2021 Expiry Date: :APR.27, 2024
Spec.: :500,000IU/g Standard: :USP43

ITEM	SPECIFICATION	RESULT	TEST METHOD
1. Appearance	Pale yellow to yellow free flowing powder	Complies	Visual
2. Loss on drying	≤5.0%	2.18%	USP <731>
3. Vitamin A Palmitate Content	≥500,000IU/g	529,000IU/g	HPLC (EP)
4. Water Dispersibility	Easily dispersed in cold water 15°C to form a homogeneous and stable emulsion	Complies	1g/100ml water
5. Granularity: go through the sieve of 60 mesh	≥90.0%	98.1%	USP <786>
6. Heavy Metal	≤10ppm	Complies	USP <231>
7. Lead	≤2ppm	<1ppm	AAS
8. Arsenic	≤1ppm	<1ppm	AFS
9. Mercury	≤0.1ppm	<0.1ppm	AFS
10. Cadmium	≤1ppm	<1ppm	AAS
11. Microbial Limit Test			
(1) Total Plate Count	≤1000cfu/g	<10cfu/g	USP <2021>
(2) Yeast & Mold	≤100cfu/g	<10cfu/g	USP <2021>
(3) Coliforms	≤0.3MPN/g	<0.3MPN/g	USP <2022>
(4) E. Coli	Negative/10g	Negative	USP <2022>
(5) Salmonella	Negative/25g	Negative	USP <2022>
(6) S.aureus	Negative/25g	Negative	USP <2022>

Conclusion: Conform to USP43.

Storage: Store in tightly closed original container, protected from light, in a dry place at room temperature (max. 25°C).

For & on behalf of
Xiamen Kingdomway Biotech. Co., Ltd.

Authorized Signature

File No. XKG-B-4001-00