



CERTIFICATE OF ANALYSIS

Product Name:	all-rac- α -Tocopheryl Acetate Powder
Product Code:	01060300000005
Batch Number:	2024050115
Specification:	50% CWS
Mfg. / Expiry Date:	2024/05/20 – 2027/05/19

Physical & Chemical Characteristics

Analysis Item	Specification	Result
Appearance	White to almost white free-flowing powder	Almost white free-flowing powder
Loss on drying	$\leq 5.0\%$	2.3%
Assay	$\geq 50.0\%$, ≥ 225.0 mg α -tocopherol/g	51.1%, 230.0 mg/g α -tocopherol

Identification

Analysis Item	Specification	Result
Coloration reaction	Positive	Positive
Optical rotation	$-0.01^\circ \sim +0.01^\circ$	0.00°
GC	Conforms to the reference solution	Conforms to the reference solution

Heavy Metals

Analysis Item	Specification	Result
Lead ¹	≤ 0.5 ppm	Certified
Arsenic ¹	≤ 1.5 ppm	Certified
Mercury ¹	≤ 0.1 ppm	Certified
Cadmium ¹	≤ 0.5 ppm	Certified

Microbiological Tests

Analysis Item	Specification	Result
Total aerobic microbial count	≤ 1000 CFU/g	< 10 CFU/g
Total moulds and yeasts count	≤ 100 CFU/g	< 10 CFU/g
Enterobacterial coli ²	≤ 10 CFU/g	< 10 CFU/g
Salmonella ²	n.d./25g	Certified
Escherichia coli	n.d./10g	Certified

Staphylococcus aureus ²	n.d./10g	Certified
Pseudomonas aeruginosa ²	n.d./10g	Certified

Base Bulk