

# BaseBulk

## CERTIFICATE OF ANALYSIS

<b>Product Name:</b>	d-alpha Tocopheryl Acid Succinate (1210 IU)
<b>Batch Number:</b>	0624240922
<b>Manufacturing Date:</b>	Sep. 22, 2024
<b>Expiry Date:</b>	Sep. 21, 2028

### Physical & Chemical Characteristics

Analysis Item	Specification	Result
Appearance	White or off-white granule	Conforms
Identification	Meet the requirements	Conforms
Specific Rotation $[\alpha]_D^{25}$	$\geq 24^\circ$	$+24.3^\circ$
Acidity	18.0–19.3ml	18.7ml
Acid value	101.0–108.9	101.9
Sulfated ash	$\leq 0.1\%$	Conforms
Free Tocopherol	$\leq 1\%$	Conforms
Bulk Density	0.40–0.55 g/cm <sup>3</sup>	0.49 g/cm <sup>3</sup>
Loss on drying	$\leq 0.5\%$	0.1%
Melting Point	73-78°	74.6°C
Particle size distribution	$\geq 99\%$ #20 mesh / $\leq 5\%$ #120 mesh	99.67% / 1.65%

### Assay

Analysis Item	Specification	Result
Assay	$\geq 1162$ IU/g	1188 IU/g
Alpha-tocopheryl succinate	96.0–102.0%	98.2%

### Heavy Metals

Analysis Item	Specification	Result
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Heavy metals	≤10ppm	Conforms
Arsenic	≤1 ppm	<1 ppm
Lead	≤0.5 ppm	<0.5 ppm
Mercury	≤0.1 ppm	<0.1 ppm
Cadmium	≤0.5 ppm	<0.5 ppm

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