

Certificate of Analysis

NO.:C04-2022031

NO.:C04-2022031

Product Name:	Dehydroepiandro-sterone (DHEA)	Batch No.:	C04-220206
Quantity:	20kg	Packaging:	10kg/carton*2
Manuf. Date:	Feb. 22, 2022	Sampling Date:	Feb. 28, 2022
Retest Date:	Feb. 21, 2025	Report Date:	July 01, 2022
Standard:	FP		
Items	Specifications	Results	
1. Appearance:	White or almost white crystalline powder	White crystalline Powder, Micronized	
2. Identification: IR	The IR spectrum of sample corresponds to that of working reference standard.	Complies	
3. Melting range:	146°C to 151°C	149°C to 150.5°C	
4. Specific rotation:	+ 11.0° to + 14.0°	+ 13.1°	
5.Sulphated ash:	0.1% Max.	0.07%	
6. Hydroxylamine:	5ppm Max.	<5ppm	
7. Related substances:	Impurity A: 0.1% Max.	Not detected	
	Impurity B: 0.1% Max.	Not detected	
	Impurity C: 0.02% Max.	Not detected	
	Impurity D: 0.1% Max.	Not detected	
	Impurity E: 0.1% Max.	<0.025%	
	Impurity F: 0.08% Max.	Not detected	
	Any unspecified impurity:0.1% Max.	RRT 0.53 <0.025% RRT 0.62 0.05% RRT 1.47 <0.025% RRT 2.88 0.05% RRT 3.51 <0.025%	
	Total impurities: 0.5% Max.	0.09%	
8. Assay :	97.5% to 102.0%	99.8%	
9. Residual solvents:	Methanol: 3000ppm Max. Ethanol: 5000ppm Max. Toluene: 890ppm Max. Pyridine: 200ppm Max.	33ppm Not detected Not detected Not detected	
*10. Water:	1.0% Max.	0.08%	
Conclusions:	The product conforms to FP.		

Prepared by: 陈永平

Reviewed by: 陈妍

Approved by: 魏其峰



MASTERSIZER



Result Analysis Report

Sample Name:
DHEA - Average

SOP Name:
DHEA

Measured:
30 June 2022 09:43:40

Sample Source & type:
DHEA

Measured by:
zhangyu

Analysed:
30 June 2022 09:43:41

Sample bulk lot ref:
C04-220206

Result Source:
Averaged

Particle Name:
Default

Accessory Name:
Hydro 2000MU (A)

Analysis model:
General purpose

Sensitivity:
Enhanced

Particle RI:
1.520

Absorption:
0.1

Size range:
0.020 to 2000.000 μm

Obscuration:
16.30 %

Dispersant Name:
Water

Dispersant RI:
1.330

Weighted Residual:
1.033 %

Result Emulation:
Off

Concentration:
0.0175 %Vol

Span :
2.396

Uniformity:
0.734

Result units:
Volume

Specific Surface Area:
0.978 m^2/g

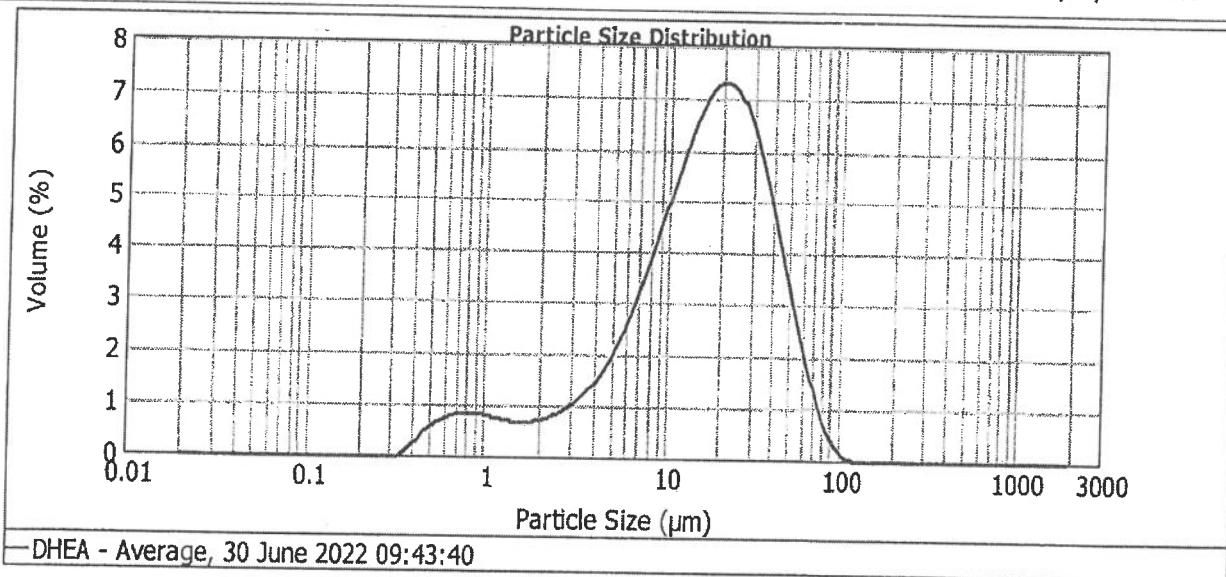
Surface Weighted Mean D[3,2]:
6.136 μm

Vol. Weighted Mean D[4,3]:
20.945 μm

d(0.1): 3.213 μm

d(0.5): 16.938 μm

d(0.9): 43.800 μm



Size (μm)	Vol Under %	Size (μm)	Vol Under %	Size (μm)	Vol Under %	Size (μm)	Vol Under %	Size (μm)	Vol Under %	Size (μm)	Vol Under %
0.174	0.00	0.986	4.10	5.057	14.32	21.140	60.47	65.043	97.64	301.152	100.00
0.192	0.00	1.092	4.62	5.601	15.75	23.414	65.32	72.040	98.62	333.548	100.00
0.213	0.00	1.210	5.13	6.203	17.40	25.000	68.39	75.000	99.62	369.429	100.00
0.236	0.00	1.340	5.60	6.871	19.32	25.933	70.08	79.789	99.29	409.169	100.00
0.261	0.00	1.484	6.08	7.610	21.53	28.722	74.65	80.000	99.30	453.185	100.00
0.289	0.00	1.644	6.50	8.429	24.08	30.000	76.52	90.000	99.76	501.936	100.00
0.321	0.00	1.820	6.95	9.335	26.91	31.812	78.95	100.000	99.93	555.930	100.00
0.355	0.00	2.016	7.41	10.000	29.02	35.000	82.87	108.408	99.98	615.734	100.00
0.393	0.10	2.233	7.90	10.339	30.11	35.234	82.92	120.070	100.00	681.970	100.00
0.435	0.27	2.473	8.42	11.452	33.65	38.000	85.60	132.986	100.00	755.332	100.00
0.482	0.57	2.739	8.98	12.684	37.53	39.025	86.49	147.292	100.00	836.585	100.00
0.534	0.95	3.034	9.62	14.048	41.70	43.223	89.63	163.137	100.00	926.579	100.00
0.592	1.40	3.360	10.32	15.000	44.52	47.872	92.31	180.686	100.00	1026.254	100.00
0.655	1.90	3.722	11.12	15.559	46.14	48.000	92.37	200.123	100.00	1136.652	100.00
0.726	2.44	4.122	12.04	17.233	50.80	50.000	93.30	221.650	100.00	1258.925	100.00
0.804	2.99	4.566	13.10	19.087	55.60	53.022	94.52	245.494	100.00		
0.890	3.55	5.000	14.18	20.000	57.82	60.000	96.81	271.903	100.00		

Operator notes: Zhang 2022.06.30

2022.06.30