

Certificate of Analysis

Greentech Biochemicals Co., Ltd.

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B-8E, Jinfu Tower No. 22 Shandong Road
Qingdao Shandong Province China

Sample Name:		Eurofins Sample:	8056032
Project ID	GREENTE_BI-20190116-0001	Receipt Date	15-Jan-2019
PO Number	CVD	Receipt Condition	Ambient temperature
Sample Serving Size		Login Date	16-Jan-2019
Description	CS20181230	Online Order	20

Analysis	Result
Loss on Drying	
Loss On Drying	9.6 %
Determination of Chondroitin Sulfate by Enzymatic-UPLC	
Chondroitin disaccharide di-4S sodium salt	71.3 % (on Dry Basis)
Chondroitin disaccharide di-4S sodium salt	64.4 %
Chondroitin disaccharide di-6S sodium salt	15.0 % (on Dry Basis)
Chondroitin disaccharide di-6S sodium salt	13.5 %
Chondroitin disaccharide di-0S sodium salt	4.39 % (on Dry Basis)
Chondroitin disaccharide di-0S sodium salt	3.97 %
Total Chondroitin Disaccharides	90.6 % (on Dry Basis)
Total Chondroitin Disaccharides	81.9 %
Chondroitin Sulfate A (Equivalent to USP Chondroitin Sulfate Reference Standard)	75.2 %
Chondroitin Sulfate A (Equivalent to USP Chondroitin Sulfate Reference Standard)	83.2 % (on Dry Basis)
Chondroitin Sulfate C (Equivalent to USP Chondroitin Sulfate Reference Standard)	15.8 %
Chondroitin Sulfate C (Equivalent to USP Chondroitin Sulfate Reference Standard)	17.4 % (on Dry Basis)
Nonsulfate Chondroitin (Equivalent to USP Chondroitin Sulfate Reference Standard)	4.63 %
Nonsulfate Chondroitin (Equivalent to USP Chondroitin Sulfate Reference Standard)	5.12 % (on Dry Basis)
Total Chondroitins (Equivalent to USP Chondroitin Sulfate Reference Standard)	106 % (on Dry Basis)
Total Chondroitins (Equivalent to USP Chondroitin Sulfate Reference Standard)	95.6 %

Method References	Testing Location
Determination of Chondroitin Sulfate by Enzymatic-UPLC (OC_CHENZ_S)	Food Integrity Innovation-Brea
AOAC 2015.11 (modified)	
Loss on Drying (OC_LOD_S)	Food Integrity Innovation-Brea

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Testing Location(s)**Released on Behalf of Eurofins by****Food Integrity Innovation-Brea****Robert Grahn - Manager**

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