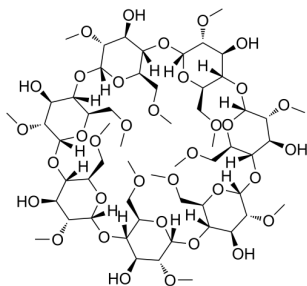


Certificate of Analysis

Compound Information

Product Name:	DM- β -CD
Cat. No.:	1207911
CAS No.:	51166-71-3
Molecular Formula:	C ₅₆ H ₉₈ O ₃₅
Molecular Weight:	1331.36
Chemical Structure:	



Batch Information

Batch No.:	Lf0601137088
Storage:	Storage temp. 2-8°C
Test Date:	2022-06-02
Retest Date:	2025-06-01
Origin:	Shanghai, China

QC Summary

Appearance:	White to off-white (Solid)
Assay:	99.9%
Specific rotation:	164°
Water solution pH:	6.1
Clarity experiment:	QuConform
Light-absorbing impurities:	Conform
Average degree of substitution:	12.5
Loss on Drying:	3.1%
Beta cyclodextrin:	0.07%
Residue on Ignition:	0.05%
Sulfate:	<0.2%
Chloride:	<0.2%
The total aerobic microbial count:	<10 cfu/g
The total combined molds and yeasts count:	<10 cfu/g

Escherichia coli:

Not detected

Conclusion:

The product has been tested and complies with the given specifications.

Caution: Research use only and are not intended for human use.

Tel: 400-821-0725

E-mail: product@leyan.com

Address: No. 1999 Zhangheng Road, Building 3, Zhangjiang High-Tech Park, Shanghai