

## Certificate Of Analysis

**Name:** Methyl-  $\beta$  -cyclodextrin  
**CAS NO.:** 128446-36-6  
**Cat NO.:** A854463  
**Batch No.:** M04012015  
**Mfg.Date:** 2015-01-04  
**Exp.Date:** 2017-01-03

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Items	Specifications	Results
Appearance	White powder	Yellow powder
Purity	$\geq 98\%$	99.30%
Degree of Substitution	11.2-13.3	12.6
Molar of Substitution	1.6-1.9	1.8
Loss on Drying	$\leq 4.5\%$	3.5%
Unsubstituted cyclodextrin	$\leq 1.0\%$	0.001%
Residue on Ignition	$\leq 2.0\%$	1.0%
Heavy Metal(as)	$\leq 0.0025\%$	$< 0.0025\%$

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<b>pd)</b>		
<b>Arsenic salt(AS)</b>	$\leq 0.0005\%$	$< 0.0005\%$
<b>Specific rotation</b>	154-165°C	156°C
<b>Solubility in water (25°C)</b>	$> 750\text{g/L}$	1000g/L
<b>TAMC (cfu/g)</b>	$\leq 1000$	150
<b>TYMC (cfu/g)</b>	$\leq 100$	Absent
<b>Salmonella/E.Coli( cfu/g)</b>	Absent	Absent
<b>Conclusion</b>	The product tested complies with the specifications	

**Storage condition: Store in a tightly closed container in a cool and dry place.**

Checker:

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*\* if you have any comments and suggestions, please contact us by [sales@amadischem.com](mailto:sales@amadischem.com)*