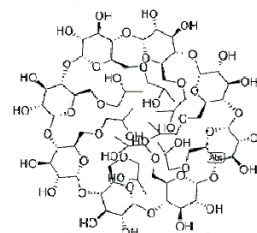


## Certificate Of Analysis

**Name:** (2-Hydroxypropyl)- $\gamma$ -cyclodextrin  
**CAS No.:** 128446-34-4  
**Cat No.:** A889015  
**Batch No.:** H04072017  
**Mfg.Date:** 2017.07.04  
**Exp.Date:** 2019.07.03



Items	Specifications	Results
<b>Appearance</b>	White powder	Conforms
<b>Absorbance</b>	The absorbance at 230~350nm should not exceed 0.5, while at 350~660nm should not exceed 0.5	Conforms
<b>PH</b>	6~9	6.5
<b>Loss on drying</b>	$\leq 5\%$	3.4%
<b>Gamma cyclodextrin</b>	$\leq 1.5\%$	0.09
<b>Propylene glycol</b>	$\leq 0.5\%$	0.1%
<b>Residue on Ignition</b>	$\leq 0.2\%$	0.04%
<b>Heavy Metal</b>	$\leq 10\text{ppm}$	$< 10\text{ppm}$
<b>Content of hydroxyproxy</b>	19.6%~25.9%	23.43%
<b>Aerobic microorganism</b>	$\leq 100\text{CFU/g}$	30CFU/g
<b>Moulds &amp; yeasts</b>	$\leq 50\text{CFU/g}$	Absence
<b>Escherichia Coli</b>	Absence	Absence
<b>Purity</b>	98%(min)	99.8%
<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)