

## Certificate of Analysis

### HIGH SUBSTITUTED HYDROXY PROPYL CELLULOSE

BATCH NUMBER: 17031101 TEST DATE: 2017-03-11  
QUANTITY(KG): 8000 MANUFACTURING DATE: 2017-03-10  
PACKING: 25KG/Drum EXPIRY DATE: 2020-03-09

ITEM	Standard	RESULT
Appearance	White powder or Granules	Conforms
Identification	Complies	Conforms
Hydroxypropyl Content	60-66	63.3
Apparent Viscosity(cps)	65-175(5% in water)	135
PH	PH 5.0~7.5	PH 6.36
Loss on Drying(wt%)	5.0Max	2.1
Heavy Metal(ppm)	10Max	<10
Arsenic(ppm)	3Max	<3
Residue on Ignition(wt%)	0.5Max	0.31
Lead(ppm)	10Max	<10
Silica free%	0.6Max	<0.6
Conclusion	It conforms to above test of USP38	

Anlyst:张瑞杰

Checker:姚红

For and on behalf of  
SIDLEY CHEMICAL CO., LTD

  
Authorized Signature(s)