

CERTIFICATE OF ANALYSIS

PRODUCT: BETA CYCLODEXTRIN
BATCH NO: 20150938
QUANTITY: 2000KG, 80DRUMS
PO NO. JK151017E

DATE: Oct.29, 2015
MANUFACTURING DATE: Sep.25, 2015
EXPIRY DATE: Sep.24, 2017

ITEM	STANDARD	RESULTS
APPEARANCE	White, practically odorless, fine crystalline powder having a slightly sweet taste	Passed
Specific optical rotation	+160°~+164° (FCC)	162
Contents (assay)	98.0-101.0% (FCC)	99.8%
Loss on drying (water)	Not more than 14.0% (FCC)	11.6%
Lead	Not more than 1ppm (FCC)	Conforms
Identification A & B	Pass the test (FCC)	Conforms
PH	5.0~8.0	Conforms
Appearance of solution	Clear & colorless	Conforms
Chloride	Not more than 0.018%	0.018%
Reducing sugars	Not more than 1.0% (FCC)	0.35%
Ignited residue	Not more than 0.1% (FCC)	0.04%
Toluene	Not more than 1ppm	Conforms
trichloroethylene	Not more than 1ppm	conforms
Heavy metals	Not more than 10ppm	<10ppm
Bacterium	Not more than 1000	Conforms
Mold	Not more than 100	Conforms

FINAL RESULT: THIS BATCH IS CONFORMING WITH THE STANDARD OF China Pharmacopoeia 2005 /FCC.

PERSON IN CHARGE: ANNE SHA

TESTED BY: HUI WANG