



Bio Basic Inc.

A world leader in serving science

CERTIFICATE OF ANALYSIS

Product	Cephalexin monohydrate
Grade	High Purity
Product Code	CB0280
Formula	$C_{16}H_{17}N_3O_4S \cdot H_2O$
MW	365.4
CAS#	15686-71-2
Lot No	

Test Items	Specifications	Results
Appearance	White to light yellow crystalline powder.	
	Slight odor	
Identification (HPLC and IR)	Consistent with the reference substance	
Specific Rotation	+149°~+158°	
Absorption Coefficient	Determination of absorbance at 262nm, absorption coefficient is 220-245.	
pH	3.5~5.5	
a-Naphthol	≤0.05%	
Related substances		
7 – ADCA	≤1.0%	
phenylglycine	≤1.0%	
Other individual impurity	≤1.5%	
Other impurities total	≤2.5%	
Water	4.0%~8.0%	
Residue on ignition	≤2.5%	
Assay (Dry)	≥95.0%	

Storage: 2~8°C

QF 21 Rev 2015.1

20 Konrad Cres. Markham Ontario L3R 8T4 Canada
Tel: (905) 474 4493, (800) 313 7224 Fax: (905) 474 5794
Email: order@biobasic.com Web: www.biobasic.com