

## Certificate of Analysis

<b>PRODUCT:</b>	<b>Cefsulodin, Sodium Salt</b> [4-(Aminocarbonyl)-1-[[[(6R,7R)-2-carboxy-8-oxo-7-[[[(2R)-phenylsulfoacetyl]amino]-5-thia-1-azabicyclo[4.2.0]oct-2-en-3-yl]methyl]pyridinium inner salt, monosodium salt for cultural medium use; <b>C<sub>22</sub>H<sub>19</sub>N<sub>4</sub>O<sub>8</sub>S<sub>2</sub> · Na, M.W. 554.53, CAS# [52152-93-9]</b>	
<b>PRODUCT NUMBER:</b>	C-1457	
<b>LOT NUMBER:</b>	L1469	
<b>APPEARANCE:</b>	White - yellowish crystalline powder.	
<b>SOLUBILITY:</b>	Freely soluble in H <sub>2</sub> O & formamide. Slightly soluble in methanol; Very slightly soluble in ethanol.	
	<b><u>SPECIFICATIONS:</u></b>	<b><u>RESULTS:</u></b>
<b>POTENCY (anhydrous):</b>	≥864 µg/mg	864 µg/mg
<b>ASSAY (anhydrous):</b>	≥86.0%	90.0%
<b>PURITY (HPLC):</b>	≥98.0%	98.6%
<b>WATER CONTENT:</b>	≤5.0%	<5.0%
<b>pH:</b>	3.3 – 4.8	3.3
<b>ISONICOTINIC ACID AMIDE:</b>	≤ 1.0%	<1.0%
<b>OPTICAL ROTATION:</b> (When measured at 1 g/100mL in DI water).	+16.5° to +20.0°	+19.5°
<b>OTHER IMPURITIES:</b>	≤1.5%	1.5%
<b>IDENTIFICATION:</b>	Passed	
<b>COUNTRY OF ORIGIN:</b>	China	
<b>STORAGE &amp; HANDLING:</b>	Store desiccated at -20°C. <b><u>WARNING:</u> IRRITANT!</b>	

CAUTION: For research use only. Not for human or drug use. The pharmacological and toxicological properties of this product have not been fully investigated. Use caution when handling. Do not use this compound if you are not fully trained or are unaware of the hazards involved.

Verified: PC