



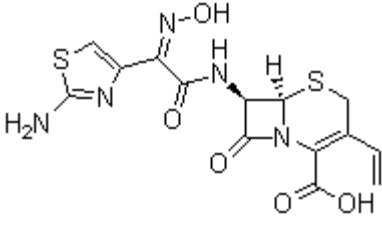
HANGZHOU DINGYAN CHEM CO.,LTD

TEL: 86-571-87157530,86465881,88025800, FAX:86-571-87156470

E-Mail:sales@dingyanchem.com,Web: www.dingyanchem.com

## CERTIFICATE OF ANALYSIS

NO: DYC081810719

Product name	Cefdinir
CAS Number	91832-40-5
Molecule Structure	
Molecule Formula	C <sub>14</sub> H <sub>13</sub> N <sub>5</sub> O <sub>5</sub> S <sub>2</sub>
Batch number	20190517
Manufacture date	2019-05-17
Testing date	2019-05-17

Items	Standard	Result	
Appearance	It should be a yellowish to yellow crystalline powder with a slight odor.	Yellowish crystalline powder with slight odor	
Specific curl	-58° ~ -66°	-65°	
Absorption coefficient	570 ~ 610	594	
Identification	<p>1. In the chromatogram recorded under the content determination, the retention time of the main peak of the sample solution should be the same as the retention time of the main peak of the reference solution.</p> <p>2. The infrared absorption spectra of the product should be consistent with those of the control.</p>	<p>1. In the chromatogram recorded under the content determination, the retention time of the main peak of the test solution is the same as that of the control solution.</p> <p>2. The infrared absorption spectra of the product should be consistent with those of the control.</p>	
Crystallinity	Complies	Complies	
PH	2.5 ~ 4.5	3.4	
Re le va	Impurity A (RRT:0.14)	≤0.2%	0.12%
	Impurity B	≤0.2%	Not detected

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nt su bs ta nc es	(RRT:0.29)		
	Impurity C (RRT:0.37)	≤0.2%	Not detected
	Impurity D (RRT:0.45)	≤0.2%	0.03%
	Impurity E (RRT:0.57)	≤0.2%	Not detected
	Impurity F (RRT:0.71)	≤0.2%	0.04%
	Impurity G (RRT:0.74)、 Impurity H (RRT:0.74)	≤0.3%	0.11%
	Impurity I (RRT:0.86)、 Impurity J (RRT:0.95)、 Impurity K (RRT:1.10)、 Impurity L (RRT:1.14)	≤0.3%	0.07%
	Impurity M (RRT:1.19)、 Impurity N (RRT:1.19)	≤0.3%	0.06%
	Impurity O (RRT:1.31)	≤0.2%	Not detected
	Impurity P (RRT:1.51)	≤0.2%	Not detected
	Impurity Q (RRT:1.59)	≤0.2%	Not detected
	Impurity R (RRT:1.65)	≤0.2%	0.08%
	Impurity S (RRT:1.70)	≤0.2%	0.02%
	Impurity T (RRT:1.75)	≤0.2%	0.09%
	Impurity U (RRT:1.83)	≤0.2%	Not detected
Other single unknown impurities	≤0.2%	0.03%	
Total impurity	≤2.0%	0.67%	
Cefdinir Polymer	≤0.5%	0.008%	
Water	≤2.0%	0.74%	

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Burning residue	≤0.2%	0.10%
Heavy metal	≤10ppm	<10ppm
Microbial limit	Total Aerobic Bacteria ≤8*10 <sup>2</sup> cfu/g Total number of moulds and yeasts≤8*10 <sup>2</sup> cfu/g	Total Aerobic Bacteria 1cfu/g Total number of moulds and yeasts<1cfu/g
Assay (According to anhydrous substance)	≥97.0%	100%

Hangzhou Dingyan Chem Co., Ltd.

QUALITY CONTROL:

Quality Control

CHECK: 姚仙娟

INSPECTOR: 刘清风