

**Hebei miaobian Biotechnology Co., Ltd**  
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### Certificate of Analysis

Product Name	Favipiravir (API)		
CAS No.	259793-96-9		
Batch No.	FP-2020201	Quantity	43.2kg
Manu Date	2020.02.09	Expiry Date	2021.02.08
Country of Origin	China		

Item	Specification	Results	Methods
<b>Identification</b>			
1H-NMR	Conforms to Standard	Conform	H-NMR
IR	Conforms to Standard	Conform	IR
LC	Conforms to Standard	Conform	HPLC
Favipiravir Assay (%, HPLC)	≥99.0	99.8	HPLC
Single Impurity (%, HPLC)	Maximum impurity ≤0.1 Unknown impurity ≤0.1	Conform	HPLC
Total Impurity (%, HPLC)	≤1.0	Conform	HPLC
<b>Physical/Chemical</b>			
Apperance	Light yellow to yellow crystalline powder	Light yellow to yellow crystalline powder	Visual
Solubility	Dimethylsulfoxide: 125 mg/mL Water : 7.71 mg/mL Methanol : 16 mg/mL		
Water content	≤0.5%	0.12%	Kari-Fishcher
Melting point	187 °C-192 °C	187 °C-191 °C	
Polymorphic form	A form	A form	X-RD
Residual solvents	acetonitrile ≤0.041% dichloromethane ≤0.06% triethylamine ≤0.032% methanol ≤0.3%	Conform	GC
Residue on ignition	≤0.1%	0.05%	750 °C
Storage conditions	At temperature -18 °C for long period storage		

Analyst: Qin Xu

Checker: **Ying Zhang**

Approver: **Youjun Din**