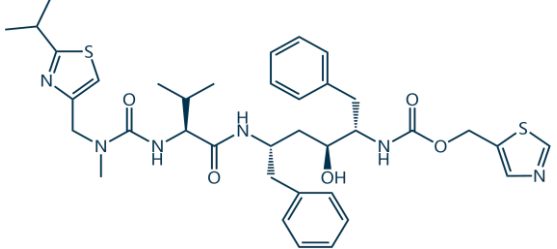


CERTIFICATE OF ANALYSIS

Product Name:	Ritonavir	
Batch No.	23050401	<p>Structure</p> 
Manufacturing Date	May 4, 2023	
Report Date	May 7, 2023	
Retest Date	May 3, 2025	
CAS No.	155213-67-5	
Source	Workshop	
QCS	USP43	
Analytical Results		
Items	Specifications	Results
Appearance	White or off-white powder	White powder
Identification	HPLC	Complies
	IR	Complies
Water	≤0.50%	0.15%
Residue on ignition	≤0.20%	0.10%
Related Impurity by HPLC	Impurities,A+B≤0.1%	ND
	Impurity C≤0.1%	ND
	Impurity D≤0.1%	ND
	Impurity E≤0.3%	ND
	Impurity F≤0.1%	ND
	Impurity G≤0.1%	ND
	Impurity H≤0.1%	ND
	Impurity I≤0.1%	0.02%
	Impurities,J+K≤0.1%	0.01%
	Impurity L≤0.1%	ND
	Impurity M≤0.1%	ND
	Impurity N≤0.1%	ND
	Impurity O≤0.3%	0.01%
	Impurity P≤0.1%	ND
	Impurity Q≤0.1%	ND
	Impurity R≤0.1%	ND
	Impurity S≤0.1%	ND
	Impurity T≤0.2%	ND
	Impurity U≤0.1%	ND
Any other individual impurity≤0.1%	0.02%	
Total impurities≤1.0%	0.12%	
Residual solvents	Methanol≤0.3%	ND
	Dichloromethane≤0.06%	ND
	Ethyl acetate≤0.5%	0.12%
	N-heptane≤0.5%	0.006%
Assay by HPLC	97.0%~102.0%	99.60%
Conclusion	The product meets the standards	

Inspector: Carlifor Wu

Verifier: Jack He