



Certificate of Analysis

Product name	Chlortetracycline	Manufacture date	Oct.18.2021
Batch number	SW211018	Analysis date	Oct.19.2021
Batch quantity	800kg	Expiry date	Oct.17.2023

ITEMS		STANDARD	RESULTS
Characters		Yellow powder	Conforms
Identification	A	Thin-layer chromatography	Conforms
	B	As description of EP 6	
	C	Reaction of chlorides	
PH		2.3-3.3	2.51
Water		≤2.0%	0.45%
Spec. Rotation		-235° - -250°	-248°
Sulphated Ash		≤0.5%	0.14%
Absorbance		460nm ≤0.40	0.218
Related Substances	4-Epichlortetracycline	≤4.0%	1.47%
	Total of other impurities	≤1.0%	0.78%
Heavy Metals		≤50ppm	< 50ppm
TC.HCL(on dried basis)		≤8.0%	3.36%
CTC.HCL(on dried basis)		≥89.5%	93.23%
TC.HCl+CTC.HCl(on dried basis)		95%-102.0%	96.59%

Packing description:	Sealed export grade drum & double of sealed plastic bag
Storage:	Store in cool & dry place not freeze., keep away from strong light and heat
Shelf life:	2 years when properly stored

Quality Assurance Officer



Corrector

Analyst