

High quality Hydrocortisone 50-23-7

Appearance: white fine powder

specification: 99%

MF: C21H30O5

MW:362.46

Standard: BP, USP ,EP

Packing: 25kg/drum

#### Function

Hydrocortisone is a natural corticosteroid produced by the adrenal glands located adjacent to the kidneys.

Corticosteroids have potent antiinflammatory properties, and are used in a wide variety of inflammatory conditions such as arthritis, colitis, asthma, bronchitis, certain skin rashes, and allergic or inflammatory conditions

#### COA

ITEMS	SPECIFICATION EP6/USP32	RESULTS
CHARACTERS(PH.EUR.)	A WHITE OR ALMOST WHITE,CRYSTALLINE POWDER	WHITE CRYSTALLINE POWDER
SOLUBILITY(PH.EUR.)	PRACTICALLY INSOLUBLE IN WATER,SPARINGLY SOLUBLE IN ACETONE AND IN ALCOHOL,SLIGHTLY IN METHYLENE CHLORIDE	COMPLIES
IDENTIFICATION		
A.IR-SPECTRUM(PH.EUR)	MEETS THE REQUIREMENT	COMPLIES
B.TLC(PH.EUR)	MEETS THE REQUIREMENT	COMPLIES
A.IR-SPECTRUM(USP)	MEETS THE REQUIREMENT	COMPLIES
B.UV ABSORPTION(USP)	MEETS THE REQUIREMENT	COMPLIES
SPECIFIC OPTICAL ROTATION		
(PH.EUR)	BETWEEN+150°AND +156°	+152.6°
(USP)	BETWEEN+150°AND +156°	+152.6°
LOSS ON DRYING		
(PH.EUR)	NOT MORE THAN 1.0%	0.06%

(USP)	NOT MORE THAN 1.0%	0.09%
RESIDUE ON IGNITION(USP)	NEGLIGIBLE, FROM 100MG	COMPLIES
RELATED SUBSTANCES(PH.EUR)		
ANY INDIVIDUAL IMPURITY	NOT MORE THAN 0.5%	0.23%
SUM OF IMPURITIES	NOT MORE THAN 1.5%	1.00%
CHROMATOGRAPHIC PURITY(USP)		
ANY INDIVIDUAL IMPURITY	NOT MORE THAN 0.5%	0.20%
SUM OF IMPURITIES	NOT MORE THAN 2.0%	1.06%
ASSAY		
UV ABSORPTION(PH.EUR.)	BETWEEN 97.0% AND 103.0%	100.4%
HPLC(USP)	BETWEEN 97.0% AND 102.0%	99.9%
RESIDUAL SOLVENT(IN-HOUSE)		
METHANOL	NOT MORE THAN 500PPM	NOT DETECT OUT
ETHANOL	NOT MORE THAN 2000PPM	243PPM
METHYLENE CHLORIDE	NOT MORE THAN 600PPM	NOT DETECT OUT
ITEMS	SPECIFICATION	RESULTS
CHLOROFORM	NOT MORE THAN 60PPM	NOT DETECT OUT
PARTICLE SIZE(IN-HOUSE)	90% NOT MORE THAN 15 MICRONS	COMPLIES
CONCLUSION:THE PRODUCT CONFORMS TO PH.EUR.6/USP34		