



TECHNICAL DATA SHEET

1084-TDS-ENG-2025

HIDROCORTISONA BASE (EUR. PH.)		
DESCRIPTION DCI: HYDROCORTISONE		DESCRIPTION DOE: HIDROCORTISONA
CAS Nº: 50-23-7	EC Nº: 200-020-1	AEMPS CODE: 54A
MOL. WEIGHT: 362,47	MOL. FORMULA: C ₂₁ H ₃₀ O ₅	ARTICLE CODE: 1084

ATTRIBUTES	SHOULD BE
Appearance	White or almost white, crystalline powder
Solubility	Practically insoluble in water, sparingly soluble in acetone and in ethanol (96 %), slightly soluble in methylene chloride
Identification A	Complies
Identification B	Complies
Specific optical rotation	+162 / +168
Related substances	
Impurity C	=< 0.5 %
Impurity D	=< 0.5 %
Impurity E	=< 0.5 %
Impurity I	=< 0.5 %
Impurity G	=< 0.4 %
Impurity F	=< 0.3 %
Impurity A	=< 0.2 %
Impurity B	=< 0.2 %
Impurity H	=< 0.15 %
Impurity N	=< 0.15 %
Unspecified impurities	=< 0.10 %
Total impurities	=< 2.0 %
Loss on drying	=< 1.0 %
Assay	97.0 - 103.0 %

COMPLIES WITH

European Pharmacopoeia 11.0

STORAGE

Protect from the light. Keep the container tightly closed in a dry and well-ventilated place.

REMARKS

Hydrocortisone is subjected to the requirements of the ICH Q3D "Elemental Impurities" guideline and the requirements of guides EMA/CHMP/ICH/82260/2006 - ICH Q3C (R6) "Residual solvents".

Absence of N-nitrosamines impurities has been ensured after a risk evaluation according to ICH Q9, ICH M7 and in accordance with guidelines EMA/428592/2019 Rev 2 and EMA/189634/2019.

Certificates of residual solvents, allergens, non-GMO and BSE-TSE, among others, are available upon request.

All methods of analysis are validated by official pharmacopoeias or are validated by internal methods of the manufacturer, which can be obtained at specific request. The above information does not exempt from the obligation to identify the product before use.