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Product Information

DEXAMETHASONE SIGMA REFERENCE STANDARD

Product No. **D 6645**

Lot No: 43K8803

Storage Temperature: 2-8 °C

Formula: C₂₂H₂₉FO₅

Formula Weight: 392.47

CAS No: 50-02-2

Synonyms: Pregna-1,4-diene-3,20-dione, 9-fluoro-11,17,21-trihydroxy-16-methyl-, (11β,16α)-.

9-Fluoro-11β,17,21-trihydroxy-16α-methylpregna-1,4-diene-3,20-dione.

Product Description

This product meets USP specifications (Current through USP 26, 1st Supplement), and is traceable to USP Reference Standard lot J.

Store at room temperature in well-closed containers. Dry a portion at 105°C for 3 hours before using. Use promptly. Discard unused material.

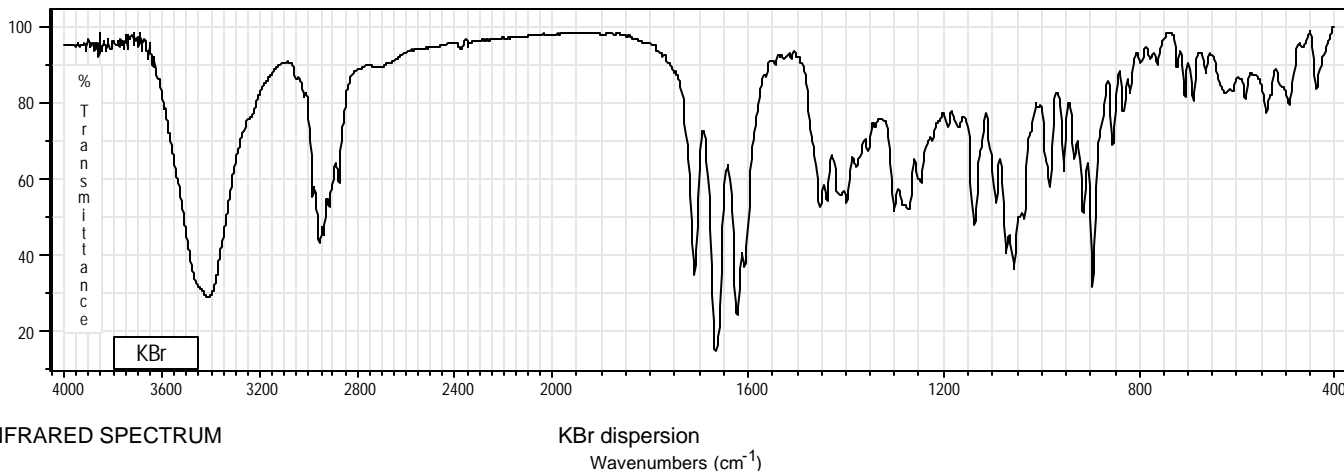
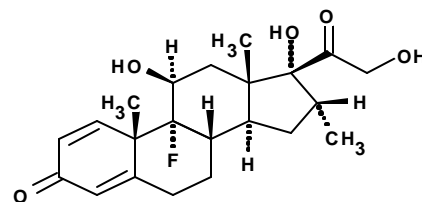
TEST	USP 26 SPECIFICATIONS	Result Sigma R.S. Lot 43K8803
Infrared absorption spectrum KBr dispersion (197K)	compares to standard	conforms to USP RS lot J
Ultraviolet absorption (197U) 10 µg per mL	absorptivities at 239 nm differ by not more than 3.0%	meets requirement
Specific rotation (781S) 10 mg per mL, in dioxane	between +72° and +80°	+75.7°
Loss on Drying (731)	not more than 0.5%	passes
Residue on ignition (281)	not more than 0.2%	passes
Chromatographic purity (621)	to pass test	passes
Organic Volatile impurities Method IV (467)	meets requirements	passes
Assay	not less than 97.0% and not more than 102.0%	99.0 %

See reverse side for IR and UV spectrum of Sigma Reference Standard.

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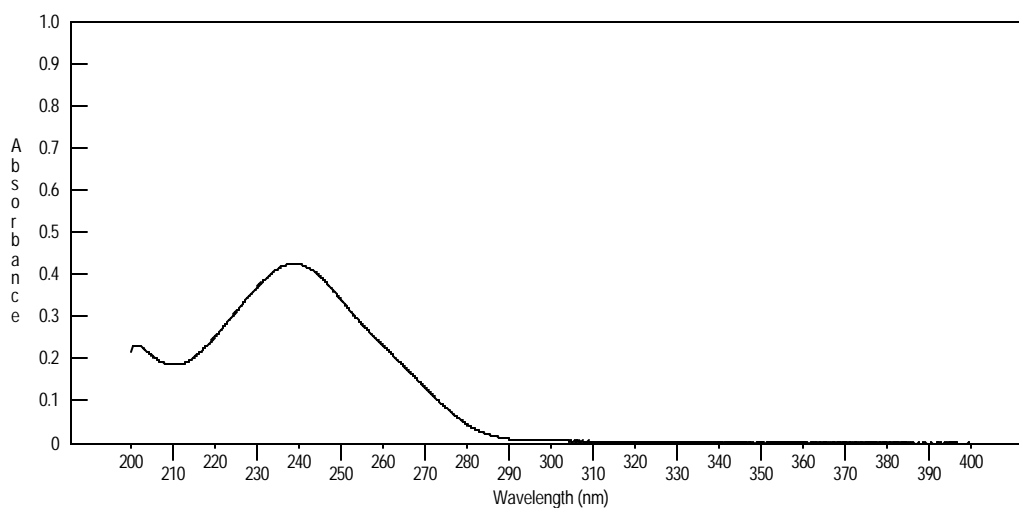
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ULTRAVIOLET SPECTRUM

10.47 µg/mL in methanol



4/2003

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