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TYPICAL ANALYSIS / SPECIFICATION

PRODUCT : DEXAMETHASONE BASE
SHELF LIFE : FIVE YEARS SUBJECT TO CORRECT STORAGE

TEST	SPECIFICATION	RESULT
Appearance	White or almost white crystalline powder	Almost white crystalline powder
Identification	A. IR B. Complies by UV $\leq 3.0\%$	Conforms 0.79%
Specific optical rotation	$+72^{\circ}$ to $+80^{\circ}$	$+76.0^{\circ}$
Chromatographic impurities	Total impurities ≤ 2.0 Principal impurities $\leq 1.0\%$	0.82% 0.62%
Loss on drying	$\leq 0.5\%$	0.2%
Residue on ignition	$\leq 0.2\%$	0.05%
Chloroform	≤ 60 PPM	Undetected
Assay	97.0% - 102.0%	99.50%

Conclusion: material conforms to USP28