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TYPICAL ANALYSIS / SPECIFICATION

PRODUCT : TETRACYCLINE HCL - MICRONISED
SHELF LIFE : FOUR YEARS SUBJECT TO CORRECT STORAGE

ITEM	SPECIFICATION	RESULT
CHARACTER	APPEARANCE: YELLOW, CRYSTALLINE POWDER	PASS
SOLUBILITY	COMPLIES WITH THE SPECIFICATION	PASS
IDENTIFICATION	A, SIMILAR, B, C, POSITIVE	PASS
PH	1.8~2.8	2.43
SPECIFIC OPTICAL ROTATION	-240~-255°	-248°
RELATED SUBSTANCES	4-EPITETRACYCLINE HCL ≤ 3.0% ANHYPDROTETRACYCLINE HCL ≤ 0.5% 4-EPIANHYPDROTETRACYCLINE HCL ≤ 0.5% 2-ACETY1-2-DECARBAMOYL TETRACYCLINE HCL ≤ 0.5%	1.56% 0.14% 0.01% 0.47%
HEAVY METALS	COMPLIES WITH LIMIT TEST (50PPM)	PASS
LOSS ON DRYING	NOT MORE THAN 2.0%	0.24%
SULPHATED ASH	NOT MORE THAN 0.5%	0.04%
ASSAY (ON DRY)	95.0% TO 102.0%	96.9%

PARTICLE SIZE: 100% LESS THAN 45 MICRONS
95% LESS THAN 10 MICRONS.

CONCLUSION: IT COMPLIES WITH BP2005