

CERTIFICATE OF ANALYSIS

VITAMIN E ACETATE USP

LOT: 201202110203

MFG DATE: 10/06/2021

EXP DATE: 10/04/2024

TEST	SPECIFICATION	RESULT
DESCRIPTION, EP/USP/FCC	CLEAR, COLORLESS SLIGHT GREENISH- YELLOW, VISCOUS OILY LIQUID	CONFORMS
IDENTIFICATION A, OPTICAL ROTATION, EP	-0.01 - +0.01	0.00
IDENTIFICATION B, IR, EP/USP/FCC	TO CONFORM	CONFORMS
IDENTIFICATION C, COLOR REACTION, USP/FCC	TO CONFORM	CONFORMS
IDENTIFICATION D, RETENTION TIME, GC, USP/FCC	TO CONFORM	CONFORMS
RELATED SUBSTANCES: % (EP)		
IMPURITY A	0.5 MAXIMUM	< 0.1
IMPURITY B	1.5 MAXIMUM	0.66
IMPURITY C	0.5 MAXIMUM	0.10
IMPURITY D AND E	1.0 MAXIMUM	0.10
OTHER IMPURITIES	0.25 MAXIMUM	< 0.1
TOTAL IMPURITIES	2.5 MAXIMUM	0.86
ACIDITY, ML USP/FCC	1.0 MAXIMUM	0.09
RESIDUAL SOLVENTS (ISOBUTYL ACETATE), %	0.5 MAXIMUM	CONFORMS
LEAD (PB), MG/KG FCC	2 MAXIMUM	< 0.5
ARSENIC, MG/KG	1 MAXIMUM	< 1

COPPER, MG/KG	25 MAXIMUM	< 2
ZINC, MG/KG	25 MAXIMUM	< 2
ASSAY, %	96.5 – 102.0 EP 96.0 – 102.0 USP/FCC	99.1 99.1
TOTAL AEROBIC MICROBIAL COUNT, CFU/G, EP/USP	1000 MAXIMUM	CERTIFIED
TOTAL YEAST AND MOLDS, CFU/G, EP/USP	100 MAXIMUM	CERTIFIED
ESCHERICHIA COLI, /1G EP/USP	NOT DETERMINED	CERTIFIED
SALMONELLA, /10G EP/USP	NOT DETERMINED	CERTIFIED
PSEUDOMONAS AERUGINOSA, /G EP/USP	NOT DETERMINED	CERTIFIED
STAPHYLOCOCCUS AUREUS, /1G EP/USP	NOT DETERMINED	CERTIFIED
BILE-TOLERANT GRAM-NEGATIVE BACTERIA, /1G EP/USP	NOT DETERMINED	CERTIFIED

- CONFORMS TO EP/USP/FCC