TEMAD Co.
Active Pharmaceutical Ingredients Producer
Quality Control Department

Product	***Levofloxacin Q-Acid***
CAS No.	*100986-89-8*
Molecular weight.	*281.2*
Batch No.	*C004-201910050*
Lab. No.	*Q.A.LEV99152*
Origin	*-----*
Quantity	*2000 Kg*
Man. Date	*May 22 2020*
Retest Date	*May 21 2022*
Analysis date	*99/05/12*

Items	***Standards***	***Results***	***Method of analysis***
Appearance	*Almost-white to light yellow powder*	*Conforms*	*In house*
Melting range	*315°C - 325°C*	*317- 319 °C*	*In house*
Loss on drying	*≤0.5 %*	*0.03 %*	*In house*
Specific optical rotation	*Between -70° and -78°*	*-73.00°*	*In house*
Assay	*Not Less Than 99 %*	*99.83 %*	*In house*
R(+) Isomer	*≤0.5*	*<0.5 %*	*In house*
Related substances	*Any single impurity ≤0.5 %* *Total impurities ≤1.0 %*	*0.147%* *0.169 %*	*In house*

Descriptions:

Analyst	***Q.C. Manager***	***Authorized person***	***Q.C. Stamp***
14.2/10/14	14.2/10/14 *Dr. Salmani*	M.Sc. H.Yousefi ۱۴۰۲/۱۰/۱۴ Authorized Person	TEMAD-MASHHAD Q.C. PASSED

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