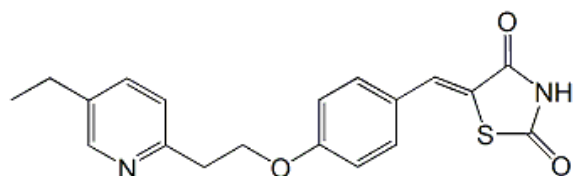


CERTIFICATE OF ANALYSIS OF REFERENCE STANDARD

Reference Standard

Date:

Pioglitazone Didehydro Impurity / Pioglitazone EP Impurity B**Catalogue No.: VL1190001****Batch No.:****IUPAC Name:** (Z)-5-{4-[2-(5-Ethylpyridin-2-yl)ethoxy]benzylidene}thiazolidine-2,4-dione

Molecular Weight: 354.42 g/mol

Molecular Formula: C₁₉H₁₈N₂O₃S

Sr.#	Test	Results	Data ref.
1	Appearance	White Solid	-----
2	Purity by HPLC	97.85%	Chromatogram attached
3	Mass	Conform	Report attached
4	¹ H NMR	Conform	Report attached
5	FTIR	Conform	Report attached

Storage condition: Store at 2-8°C, Protect from direct sunlight and moisture.

This certificate of analysis is valid for three years from date of manufacturing, provided the substance is stored under suitable conditions.

Date of manufacturing:**Retest date:****Document data reference:***Prepared by**Reviewed by**Approved by*