

Gojira Fine Chemicals, LLC

Quality Products & Services Meeting Customer Needs 5386 Majestic Parkway, Suite 7, Bedford Heights, OH 44146 www.gojirafc.com • sales@gojirafc.com

Certificate of Analysis

Tamoxifen Citrate USP

Catalog Number:	TC1003
Lot Number:	0511801
CAS Number:	54965-24-1
Synonym(s):	(Z)-1-(p-Dimethylaminoethoxyphenyl)-1,2-diphenyl-1-butene
Molecular Formula:	C ₂₆ H ₂₉ NO \cdot C ₆ H ₈ O ₇
Molecular Weight:	563.60
Storage:	2°C - 8°C
Date of Manufacture:	March 11, 2018
Retest Date:	March 10, 2021

Test	Specification	Result
Appearance	White Crystalline	Conforms
Assay	99.0 – 101.0%	99.3%
Identification by HNMR	Consistent with structure	Conforms
Identification	IR , UV conform	Conforms
Solubility (25mg/mL MeOH)	Clear & colorless	Conforms
Moisture (LOD)	≤ 0.50%	0.36%
Residue on Ignition	≤ 0.20%	0.09%
Iron	≤ 0.005%	< 0.005%
Heavy Metals	≤ 10ppm	< 10ppm
Related substances		
Individual	≤ 0.5%	0.24%
Total	≤ 1.0%	0.28%
E-isomer (<i>cis</i> form)	≤ 0.3%	0.17%
Organic Volatile Impurities	Conforms	Conforms
This product meets USP 30 sp	pecifications.	

Approved by:

ohn grubb

John Grubb, PhD Gojira Fine Chemicals, LLC Quality Manager Tel: 440-539-7033 Fax: 888-211-5523 john@gojirafc.com Date: May 15, 2018

For research purposes only. Not for drug or clinical use in humans or human food additive use.