



Certificate of Analysis

Tamoxifen Free Base USP

Catalog Number: TA1007
Lot Number: 0629704
CAS Number: 10540-29-1
Synonym(s): (Z)-1-(p-Dimethylaminoethoxyphenyl)-1,2-diphenyl-1-butene, *trans*-2-[4-(1,2-Diphenyl-1-butenyl)phenoxy]-*N,N*-dimethylethylamine
Molecular Formula: C₂₆H₂₉NO
Molecular Weight: 371.50
Storage: 2°C - 8°C
Date of Manufacture: June 13, 2017
Retest Date: June 12, 2019

Test	Specification	Result
Appearance	White Powder	Conforms
Assay	≥ 98.5%	99.0%
Identification by HNMR	Consistent with structure	Conforms
Melting Point	97°C – 99°C	Conforms
Solubility (15mg/2mL EtOH)	Clear & colorless	Conforms
Moisture (LOD)	≤ 0.50%	0.41%
Residue on Ignition	≤ 0.20%	0.14%
Heavy metals	≤ 10ppm	< 10ppm
Iron	≤ 0.05%	0.008%
E-isomer (<i>cis</i> form)	≤ 0.3%	0.21%
Organic Volatile Impurities	Conforms	Conforms

Approved by:

Date: June 30, 2017

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