Gojira Fine Chemicals, LLC

Quality Products & Services Meeting Customer Needs

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Certificate of Analysis

Fenbendazole USP

Catalog Number: FE1002
Lot Number: 0302501
CAS Number: 43210-67-9
Synonym(s): Methyl 5-(phenylthio)-2-benzimidazolecarbamate
Molecular Formula: $C_{15}H_{13}N_3O_2S$
Molecular Weight: 299.35
Storage: 2ºC – 8ºC, Protect from air and light
Date of manufacture: January 30, 2013
Retest Date: January 18, 2017

Test	Specification	Result
Appearance	White to off-white powder	Conforms
Assay	98.0 – 101.0%	99.9%
Identification (IR)	To meet requirements	Conforms
Melting Point	Report	TBD
Solubility (50mg/mL in HOAc)	Clear to slightly hazy, also soluble in DMSO, insoluble in water	Conforms
Related Substances		
Impurity A	≤ 0.5%	< 0.01%
Impurity B	≤ 0.5%	0.01%
Any Other Impurity	≤ 0.5%	0.02%
Total Impurities	≤ 1.0%	0.12%
Moisture (LOD)	≤ 1.0%	0.30%
Sulfated Ash	≤ 0.3%	0.07%
Heavy Metals	≤ 10ppm	< 10ppm
Residual Solvents		
Acetic Acid	≤ 5,000ppm	< 3,000ppm
Ethanol	≤ 5,000ppm	< 3,000ppm
Methanol	≤ 3,000ppm	1,397ppm
Xylene	≤ 2,170ppm	Not detected
Toluene	≤ 890ppm	856ppm
This lot conforms to USP specifications.		

Approved by: Date: March 3, 2015

John Grubb

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For research or further manufacturing. Not for drug, clinical or a food use in humans or animals.