

Zhejiang Ideal Biotech CO.,LTD. CERTIFICATE OF ANALYSIS

Product Name	3-Methyl-4-isopropylphenol		
Batch No.	20170714	Report No.	201710011
Manufacturing Date	2017-07-19	Expiry Date	2019-07-18
Quantity/ Spec.	500g	Test Basis	Enterprise standard

Test	Specifications	Results
Description	White or almost white crystals, having almost no odor	White crystals, having almost no odor
Identification	(1) Triturate sample with an equal amount of camphor: the mixture liquefies. (2) Dissolve a small sample in 1ml of glacial acetic acid, add 6 drops of sulfuric acid and 1 drop of nitric acid: a red-brown color develops. (3) To 1g sample add 5ml of a solution of sodium hydroxide(1→10), and heat on a water bath: a colorless or light yellow liquid is obtained. To this liquid add 2 to 3 drops of chloroform, while warm, and shake: a yellow-green color develops (4) The sample solution exhibits a maximum absorbance at the wavelength at 279 ± 2 nm	complies
Melting Point	110~113°C	111.2~112.4°C
Purity	(1) Clarity of solution Dissolve 3.0g sample in 10ml of ethanol: the solution is clear. (2) Organic impurities: TLC (3) Heavy metal(Pb) ≤ 20 ppm (4) Arsenic ≤ 2 ppm	Complies Complies < 20 ppm < 2 ppm
Assay By HPLC	$\geq 99.0\%$	99.97%
Conclusion	The batch complies with the standard	
Remarks	Twice Filtrations	

Tested by:

Chief QC:

Chief QA:

IDEAL

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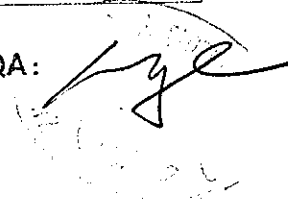
Product Name	3-Methyl-4-isopropylphenol		
Batch No.	20170801	Report No.	201710010
Manufacturing Date	2017-07-31	Expiry Date	2019-07-30
Quantity/ Spec.	500g	Test Basis	Enterprise standard

Test	Specifications	Results
Description	White or almost white crystals, having almost no odor	White crystals, having almost no odor
Identification	(1) Triturate sample with an equal amount of camphor: the mixture liquefies. (2) Dissolve a small sample in 1ml of glacial acetic acid, add 6 drops of sulfuric acid and 1 drop of nitric acid: a red-brown color develops. (3) To 1g sample add 5ml of a solution of sodium hydroxide(1→10), and heat on a water bath: a colorless or light yellow liquid is obtained. To this liquid add 2 to 3 drops of chloroform, while warm, and shake: a yellow-green color develops (4) The sample solution exhibits a maximum absorbance at the wavelength at 279 ± 2 nm	complies
Melting Point	110~113°C	110.9~111.8°C
Purity	(1) Clarity of solution Dissolve 3.0g sample in 10ml of ethanol: the solution is clear. (2) Organic impurities: TLC (3) Heavy metal(Pb) ≤ 20 ppm (4) Arsenic ≤ 2 ppm	Complies Complies < 20 ppm < 2 ppm
Assay By HPLC	$\geq 99.0\%$	99.95%
Conclusion	The batch complies with the standard	
Remarks	Twice Filtrations	

Tested by:

Chief QC:

Chief QA:



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Product Name	3-Methyl-4-isopropylphenol		
Batch No.	20171002	Report No.	201710026
Manufacturing Date	2017-10-13	Expiry Date	2019-10-12
Quantity/ Spec.	500kg	Test Basis	Enterprise standard

Test	Specifications	Results
Description	White or almost white crystals, having almost no odor.	White crystals, having almost no odor
Identification	(1)Triturate sample with an equal amount of camphor: the mixture liquefies. (2)Dissolve a small sample in 1ml of glacial acetic acid, add 6 drops of sulfuric acid and 1 drop of nitric acid: a red-brown color develops. (3)To 1g sample add 5ml of a solution of sodium hydroxide(1→10), and heat on a water bath: a colorless or light yellow liquid is obtained. To this liquid add 2 to 3 drops of chloroform, while warm, and shake: a yellow-green color develops (4)The sample solution exhibits a maximum absorbance at the wavelength at 279 ± 2 nm	complies
Melting Point	110~113°C	111.5~112.2°C
Purity	(1)Clarity of solution Dissolve 3.0g sample in 10ml of ethanol: the solution is clear. (2)Organic impurities:TLC (3) Heavy metal(Pb) ≤ 20 ppm (4)Arsenic ≤ 2 ppm	Complies Complies <20ppm <2ppm
Assay By HPLC	$\geq 99.0\%$	99.95%
Conclusion	The batch complies with the standard	
Remarks	Twice Filtrations	

Tested by: 王利红

Chief QC: 黄瑾

Chief Q



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Product Name	3-Methyl-4-isopropylphenol		
Batch No.	20171003	Report No.	201711042
Manufacturing Date	2017-10-14	Expiry Date	2019-10-13
Quantity/ Spec.	500kg	Test Basis	Enterprise standard

Test	Specifications	Results
Description	White or almost white crystals, having almost no odor	White crystals, having almost no odor
Identification	(1) Triturate sample with an equal amount of camphor: the mixture liquefies. (2) Dissolve a small sample in 1ml of glacial acetic acid, add 6 drops of sulfuric acid and 1 drop of nitric acid: a red-brown color develops. (3) To 1g sample add 5ml of a solution of sodium hydroxide(1→10), and heat on a water bath: a colorless or light yellow liquid is obtained. To this liquid add 2 to 3 drops of chloroform, while warm, and shake: a yellow-green color develops (4) The sample solution exhibits a maximum absorbance at the wavelength at 279 ± 2 nm	complies
Melting Point	110~113°C	110.9~111.9°C
Purity	(1) Clarity of solution Dissolve 3.0g sample in 10ml of ethanol: the solution is clear. (2) Organic impurities:TLC (3) Heavy metal(Pb) ≤ 20 ppm (4) Arsenic ≤ 2 ppm	Complies Complies <20ppm <2ppm
Assay By HPLC	$\geq 99.0\%$	99.99%
Conclusion	The batch complies with the standard	
Remarks	Twice Filtrations	

Tested by: 毛利江

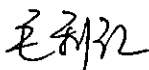
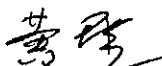
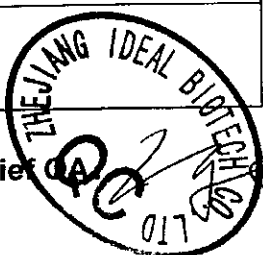
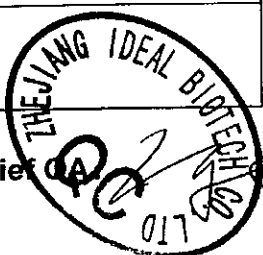
Chief QC: 毛利江

Chief QA: 

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Product Name	3-Methyl-4-isopropylphenol		
Batch No.	20171004	Report No.	201711043
Manufacturing Date	2017-10-16	Expiry Date	2019-10-15
Quantity/ Spec.	500kg	Test Basis	Enterprise standard

Test	Specifications	Results
Description	White or almost white crystals, having almost no odor	White crystals, having almost no odor
Identification	(1) Triturate sample with an equal amount of camphor: the mixture liquefies. (2) Dissolve a small sample in 1ml of glacial acetic acid, add 6 drops of sulfuric acid and 1 drop of nitric acid: a red-brown color develops. (3) To 1g sample add 5ml of a solution of sodium hydroxide(1→10), and heat on a water bath: a colorless or light yellow liquid is obtained. To this liquid add 2 to 3 drops of chloroform, while warm, and shake: a yellow-green color develops (4) The sample solution exhibits a maximum absorbance at the wavelength at 279 ± 2 nm	complies
Melting Point	110~113°C	110.5~111.4°C
Purity	(1) Clarity of solution Dissolve 3.0g sample in 10ml of ethanol: the solution is clear. (2) Organic impurities: TLC (3) Heavy metal(Pb) ≤ 20 ppm (4) Arsenic ≤ 2 ppm	Complies Complies <20ppm <2ppm
Assay By HPLC	$\geq 99.0\%$	99.99%
Conclusion	The batch complies with the standard	
Remarks	Twice Filtrations	

Tested by: Chief QC: Chief 




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Product Name	3-Methyl-4-isopropylphenol		
Batch No.	20171005	Report No.	201711044
Manufacturing Date	2017-10-18	Expiry Date	2019-10-17
Quantity/ Spec.	500kg	Test Basis	Enterprise standard

Test	Specifications	Results
Description	White or almost white crystals, having almost no odor	White crystals, having almost no odor
Identification	(1) Triturate sample with an equal amount of camphor: the mixture liquefies. (2) Dissolve a small sample in 1ml of glacial acetic acid, add 6 drops of sulfuric acid and 1 drop of nitric acid: a red-brown color develops. (3) To 1g sample add 5ml of a solution of sodium hydroxide(1→10), and heat on a water bath: a colorless or light yellow liquid is obtained. To this liquid add 2 to 3 drops of chloroform, while warm, and shake: a yellow-green color develops (4) The sample solution exhibits a maximum absorbance at the wavelength at 279 ± 2 nm	complies
Melting Point	110~113°C	110.9~111.8°C
Purity	(1) Clarity of solution Dissolve 3.0g sample in 10ml of ethanol: the solution is clear. (2) Organic impurities:TLC (3) Heavy metal(Pb) ≤ 20 ppm (4) Arsenic ≤ 2 ppm	Complies Complies <20ppm <2ppm
Assay By HPLC	$\geq 99.0\%$	99.80%
Conclusion	The batch complies with the standard	
Remarks	Twice Filtrations	

Tested by: 毛利江

Chief QC: 董玲

Chief QA: 




Zhejiang Ideal Biotech CO.,LTD. CERTIFICATE OF ANALYSIS

Product Name	3-Methyl-4-isopropylphenol		
Batch No.	20171006	Report No.	201711045
Manufacturing Date	2017-10-20	Expiry Date	2019-10-19
Quantity/ Spec.	500kg	Test Basis	Enterprise standard

Test	Specifications	Results
Description	White or almost white crystals, having almost no odor	White crystals, having almost no odor
Identification	(1) Triturate sample with an equal amount of camphor: the mixture liquefies. (2) Dissolve a small sample in 1ml of glacial acetic acid, add 6 drops of sulfuric acid and 1 drop of nitric acid: a red-brown color develops. (3) To 1g sample add 5ml of a solution of sodium hydroxide(1→10), and heat on a water bath: a colorless or light yellow liquid is obtained. To this liquid add 2 to 3 drops of chloroform, while warm, and shake: a yellow-green color develops (4) The sample solution exhibits a maximum absorbance at the wavelength at 279 ± 2 nm	complies
Melting Point	110~113°C	111.0~111.8°C
Purity	(1) Clarity of solution Dissolve 3.0g sample in 10ml of ethanol: the solution is clear. (2) Organic impurities:TLC (3) Heavy metal(Pb) ≤ 20 ppm (4) Arsenic ≤ 2 ppm	Complies Complies <20ppm <2ppm
Assay By HPLC	$\geq 99.0\%$	99.89%
Conclusion	The batch complies with the standard	
Remarks	Twice Filtrations	

Tested by:

Chief QC:

Chief QA:





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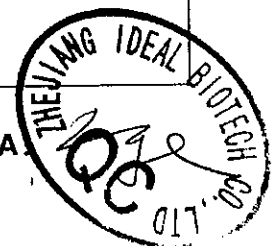
Product Name	3-Methyl-4-isopropylphenol		
Batch No.	20171007	Report No.	201711046
Manufacturing Date	2017-10-21	Expiry Date	2019-10-20
Quantity/ Spec.	500kg	Test Basis	Enterprise standard

Test	Specifications	Results
Description	White or almost white crystals, having almost no odor	White crystals, having almost no odor
Identification	(1)Triturate sample with an equal amount of camphor: the mixture liquefies. (2)Dissolve a small sample in 1ml of glacial acetic acid, add 6 drops of sulfuric acid and 1 drop of nitric acid: a red-brown color develops. (3)To 1g sample add 5ml of a solution of sodium hydroxide(1→10), and heat on a water bath: a colorless or light yellow liquid is obtained. To this liquid add 2 to 3 drops of chloroform, while warm, and shake: a yellow-green color develops (4)The sample solution exhibits a maximum absorbance at the wavelength at 279 ± 2 nm	complies
Melting Point	110~113°C	110.9~111.7°C
Purity	(1)Clarity of solution Dissolve 3.0g sample in 10ml of ethanol: the solution is clear. (2)Organic impurities:TLC (3) Heavy metal(Pb)≤20ppm (4)Arsenic≤2ppm	Complies Complies <20ppm <2ppm
Assay By HPLC	≥99.0%	99.85%
Conclusion	The batch complies with the standard	
Remarks	Twice Filtrations	

Tested by:

Chief QC:

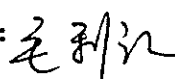
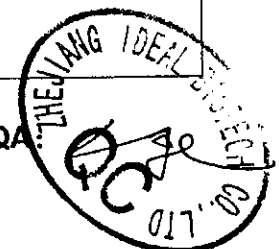
Chief QA:



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Product Name	3-Methyl-4-isopropylphenol		
Batch No.	20171008	Report No.	201711047
Manufacturing Date	2017-10-25	Expiry Date	2019-10-24
Quantity/ Spec.	500kg	Test Basis	Enterprise standard

Test	Specifications	Results
Description	White or almost white crystals, having almost no odor	White crystals, having almost no odor
Identification	(1) Triturate sample with an equal amount of camphor: the mixture liquefies. (2) Dissolve a small sample in 1ml of glacial acetic acid, add 6 drops of sulfuric acid and 1 drop of nitric acid: a red-brown color develops. (3) To 1g sample add 5ml of a solution of sodium hydroxide(1→10), and heat on a water bath: a colorless or light yellow liquid is obtained. To this liquid add 2 to 3 drops of chloroform, while warm, and shake: a yellow-green color develops (4) The sample solution exhibits a maximum absorbance at the wavelength at 279 ± 2 nm	complies
Melting Point	110~113°C	110.9~111.8°C
Purity	(1) Clarity of solution Dissolve 3.0g sample in 10ml of ethanol: the solution is clear. (2) Organic impurities:TLC (3) Heavy metal(Pb) ≤ 20 ppm (4) Arsenic ≤ 2 ppm	Complies Complies <20ppm <2ppm
Assay By HPLC	$\geq 99.0\%$	99.92%
Conclusion	The batch complies with the standard	
Remarks	Twice Filtrations	

Tested by: Chief QC: Chief QA: 

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Product Name	3-Methyl-4-isopropylphenol		
Batch No.	20171012	Report No.	201711040
Manufacturing Date	2017-11-02	Expiry Date	2019-11-01
Quantity/ Spec.	25kg	Test Basis	Enterprise standard

Test	Specifications	Results
Description	White or almost white crystals, having almost no odor	White crystals, having almost no odor
Identification	(1) Triturate sample with an equal amount of camphor: the mixture liquefies. (2) Dissolve a small sample in 1ml of glacial acetic acid, add 6 drops of sulfuric acid and 1 drop of nitric acid: a red-brown color develops. (3) To 1g sample add 5ml of a solution of sodium hydroxide(1→10), and heat on a water bath: a colorless or light yellow liquid is obtained. To this liquid add 2 to 3 drops of chloroform, while warm, and shake: a yellow-green color develops. (4) The sample solution exhibits a maximum absorbance at the wavelength at 279 ± 2 nm	complies
Melting Point	110~113°C	110.6~111.3°C
Purity	(1) Clarity of solution Dissolve 3.0g sample in 10ml of ethanol: the solution is clear. (2) Organic impurities:TLC (3) Heavy metal(Pb) ≤ 20 ppm (4) Arsenic ≤ 2 ppm	Complies Complies <20ppm <2ppm
Assay By HPLC	$\geq 99.0\%$	99.99%
Conclusion	The batch complies with the standard	
Remarks	Twice Filtrations	

Tested by:

毛利记

Chief QC:

姜强

Chief

