

Puyang Huicheng Electronic Material Co., Ltd.

HC/ZJ-QR09

CERTIFICATE OF ANALYSIS

Product Name: Hexahydrophthalic Anhydride (HHPA)  
Packing Size: 220 kg/drum  
Production Date: Oct.01, 2016

Lot No.:161001191  
Net Weight: 17600 kg  
Analysis Date: Oct.01, 2016

Items	Standard	Result
Appearance	White Solid	White Solid
Color(Pt-Co), Hazen	$\leq 50$	10
Content, %	$\geq 99.0$	99.4
Freezing Point, °C	34.0-38.0	36.6
Iodine Value, Ig/100g	$\leq 1.0$	0.23
Free Acid, %	$\leq 1.0$	0.13
Acid value, mg/KOH/g	710-740	721
REMARK: ACCORD WITH COMPANY STANDARD Q/PHD002-2015		

Analyst: 侯玉娣

Supervisor: 杨素青

Analysis: 濮阳惠成电子材料股份有限公司  
检验专用章

Add: Shengli West Road, Puyang City, Henan Province, China

Http: // www.huichengchem.com

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CERTIFICATE OF ANALYSIS

Product Name: Hexahydrophthalic Anhydride (HHPA)  
Packing Size: 220 kg/drum  
Production Date: Oct.02, 2016

Lot No.:161002211  
Net Weight: 17600 kg  
Analysis Date: Oct.02, 2016

Items	Standard	Result
Appearance	White Solid	White Solid
Color(Pt-Co), Hazen	$\leq 50$	10
Content, %	$\geq 99.0$	99.4
Freezing Point, °C	34.0-38.0	36.8
Iodine Value, Ig/100g	$\leq 1.0$	0.22
Free Acid, %	$\leq 1.0$	0.17
Acid value, mg/KOH/g	710-740	723
REMARK: ACCORD WITH COMPANY STANDARD Q/PHD002-2015		

Analyst: 侯玉娣

Supervisor: 杨素青

Analysis: 濮阳惠成电子材料股份有限公司  
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CERTIFICATE OF ANALYSIS

Product Name: Hexahydrophthalic Anhydride (HHPA)  
Packing Size: 220 kg/drum  
Production Date: Oct.03, 2016

Lot No.:161003191  
Net Weight: 17600 kg  
Analysis Date: Oct.03, 2016

Items	Standard	Result
Appearance	White Solid	White Solid
Color(Pt-Co), Hazen	$\leq 50$	10
Content, %	$\geq 99.0$	99.3
Freezing Point, °C	34.0-38.0	36.4
Iodine Value, Ig/100g	$\leq 1.0$	0.24
Free Acid, %	$\leq 1.0$	0.11
Acid value, mg/KOH/g	710-740	719
REMARK: ACCORD WITH COMPANY STANDARD Q/PHD002-2015		

Analyst: 侯玉娣

Supervisor: 杨素青

Analysis: 濮阳惠成电子材料股份有限公司  
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CERTIFICATE OF ANALYSIS

Product Name: Hexahydrophthalic Anhydride (HHPA)  
Packing Size: 220 kg/drum  
Production Date: Oct.04, 2016

Lot No.:161004211  
Net Weight: 17600 kg  
Analysis Date: Oct.04, 2016

Items	Standard	Result
Appearance	White Solid	White Solid
Color(Pt-Co), Hazen	≤50	15
Content, %	≥99.0	99.6
Freezing Point, °C	34.0-38.0	36.8
Iodine Value, Ig/100g	≤ 1.0	0.21
Free Acid, %	≤ 1.0	0.16
Acid value, mg/KOH/g	710-740	726
REMARK: ACCORD WITH COMPANY STANDARD Q/PHD002-2015		

Analyst: 侯玉娣

Supervisor: 杨素青

Analysis: 濮阳惠成电子材料股份有限公司  
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CERTIFICATE OF ANALYSIS

Product Name: Hexahydrophthalic Anhydride (HHPA)  
Packing Size: 220 kg/drum  
Production Date: Oct.05, 2016

Lot No.:161005211  
Net Weight: 17600 kg  
Analysis Date: Oct.05, 2016

Items	Standard	Result
Appearance	White Solid	White Solid
Color(Pt-Co), Hazen	≤50	15
Content, %	≥99.0	99.2
Freezing Point, °C	34.0-38.0	36.2
Iodine Value, Ig/100g	≤ 1.0	0.24
Free Acid, %	≤ 1.0	0.13
Acid value, mg/KOH/g	710-740	725
REMARK: ACCORD WITH COMPANY STANDARD Q/PHD002-2015		

Analyst: 侯玉娣

Supervisor: 杨素青

Analysis: 濮阳惠成电子材料股份有限公司  
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CERTIFICATE OF ANALYSIS

Product Name: Hexahydrophthalic Anhydride (HHPA)  
Packing Size: 220 kg/drum  
Production Date: Oct.07, 2016

Lot No.:161007191  
Net Weight: 17600 kg  
Analysis Date: Oct.07, 2016

Items	Standard	Result
Appearance	White Solid	White Solid
Color(Pt-Co), Hazen	$\leq 50$	15
Content, %	$\geq 99.0$	99.5
Freezing Point, °C	34.0-38.0	36.6
Iodine Value, Ig/100g	$\leq 1.0$	0.24
Free Acid, %	$\leq 1.0$	0.16
Acid value, mg/KOH/g	710-740	724
REMARK: ACCORD WITH COMPANY STANDARD Q/PHD002-2015		

Analyst: 侯玉娣

Supervisor: 杨素青

Analysis: 濮阳惠成电子材料股份有限公司  
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CERTIFICATE OF ANALYSIS

Product Name: Hexahydrophthalic Anhydride (HHPA)  
Packing Size: 220 kg/drum  
Production Date: Oct.08, 2016

Lot No.:161008211  
Net Weight: 17600 kg  
Analysis Date: Oct.08, 2016

Items	Standard	Result
Appearance	White Solid	White Solid
Color(Pt-Co), Hazen	$\leq 50$	10
Content, %	$\geq 99.0$	99.5
Freezing Point, °C	34.0-38.0	36.6
Iodine Value, Ig/100g	$\leq 1.0$	0.23
Free Acid, %	$\leq 1.0$	0.30
Acid value, mg/KOH/g	710-740	722
REMARK: ACCORD WITH COMPANY STANDARD Q/PHD002-2015		

Analyst: 侯玉娣

Supervisor: 杨素青

Analysis: 濮阳惠成电子材料股份有限公司  
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CERTIFICATE OF ANALYSIS

Product Name: Hexahydrophthalic Anhydride (HHPA)  
Packing Size: 220 kg/drum  
Production Date: Oct.09, 2016

Lot No.:161009191  
Net Weight: 17600 kg  
Analysis Date: Oct.09, 2016

Items	Standard	Result
Appearance	White Solid	White Solid
Color(Pt-Co), Hazen	$\leq 50$	15
Content, %	$\geq 99.0$	99.3
Freezing Point, °C	34.0-38.0	36.6
Iodine Value, Ig/100g	$\leq 1.0$	0.22
Free Acid, %	$\leq 1.0$	0.16
Acid value, mg/KOH/g	710-740	720
REMARK: ACCORD WITH COMPANY STANDARD Q/PHD002-2015		

Analyst: 侯玉娣

Supervisor: 杨素青

Analysis: 濮阳惠成电子材料股份有限公司  
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CERTIFICATE OF ANALYSIS

Product Name: Hexahydrophthalic Anhydride (HHPA)  
Packing Size: 220 kg/drum  
Production Date: Oct.10, 2016

Lot No.:161010211  
Net Weight: 17600 kg  
Analysis Date: Oct.10, 2016

Items	Standard	Result
Appearance	White Solid	White Solid
Color(Pt-Co), Hazen	$\leq 50$	10
Content, %	$\geq 99.0$	99.5
Freezing Point, °C	34.0-38.0	36.6
Iodine Value, Ig/100g	$\leq 1.0$	0.22
Free Acid, %	$\leq 1.0$	0.15
Acid value, mg/KOH/g	710-740	719
REMARK: ACCORD WITH COMPANY STANDARD Q/PHD002-2015		

Analyst: 侯玉娣

Supervisor: 杨素青

Analysis: 濮阳惠成电子材料股份有限公司  
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CERTIFICATE OF ANALYSIS

Product Name: Hexahydrophthalic Anhydride (HHPA)  
Packing Size: 220 kg/drum  
Production Date: Oct.11, 2016

Lot No.:161011191  
Net Weight: 17600 kg  
Analysis Date: Oct.11, 2016

Items	Standard	Result
Appearance	White Solid	White Solid
Color(Pt-Co), Hazen	≤50	15
Content, %	≥99.0	99.2
Freezing Point, °C	34.0-38.0	36.0
Iodine Value, Ig/100g	≤ 1.0	0.20
Free Acid, %	≤ 1.0	0.25
Acid value, mg/KOH/g	710-740	722
REMARK: ACCORD WITH COMPANY STANDARD Q/PHD002-2015		

Analyst: 侯玉娣

Supervisor: 杨素青

Analysis: 濮阳惠成电子材料股份有限公司  
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