

## CERTIFICATE OF ANALYSIS

PRODUCT: **PURIFIED TEREPHTHALIC ACID**  
BATCH NO.: 42023072501  
MANUFACTURING DATE: 2023-07-25  
EXPIRY DATE: 2024-07-24

ITEM	UNIT	VALUE
Appearance		WHITE POWDER
DMF Color		5.0
Acid Number	mgKOH/G	674.2
Ash	mg/kg	2
Total Significant Heavy Metals	mg/kg	0.1
Fe	mg/kg	0.02
4-Carboxybenzaldehyde	mg/kg	20
p-Toluic Acid	mg/kg	125
Moisture Content	wt%	0.08
$\Delta Y$		1
B value		0.78
Average Particle size	$\mu m$	128
Particle size > 250 $\mu m$	%	14.2
Particle size < 45 $\mu m$	%	9.5



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## CERTIFICATE OF ANALYSIS

PRODUCT: **PURIFIED TEREPHTHALIC ACID**  
BATCH NO.: 42023072502  
MANUFACTURING DATE: 2023-07-25  
EXPIRY DATE: 2024-07-24

ITEM	UNIT	VALUE
Appearance		WHITE POWDER
DMF Color		5.0
Acid Number	mgKOH/G	674.4
Ash	mg/kg	1
Total Significant Heavy Metals	mg/kg	0.1
Fe	mg/kg	0.03
4-Carboxybenzaldehyde	mg/kg	8
p-Toluic Acid	mg/kg	135
Moisture Content	wt%	0.10
$\Delta Y$		2
B value		0.98
Average Particle size	$\mu m$	138
Particle size > 250 $\mu m$	%	16.7
Particle size < 45 $\mu m$	%	8.2



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## CERTIFICATE OF ANALYSIS

PRODUCT: **PURIFIED TEREPHTHALIC ACID**  
BATCH NO.: 52023072605  
MANUFACTURING DATE: 2023-07-26  
EXPIRY DATE: 2024-07-25

ITEM	UNIT	VALUE
Appearance		WHITE POWDER
DMF Color		5.0
Acid Number	mgKOH/G	675.7
Ash	mg/kg	1
Total Significant Heavy Metals	mg/kg	0.1
Fe	mg/kg	0.01
4-Carboxybenzaldehyde	mg/kg	17
p-Toluic Acid	mg/kg	128
Moisture Content	wt%	0.10
$\Delta Y$		2
B value		0.92
Average Particle size	$\mu m$	129
Particle size > 250 $\mu m$	%	14.7
Particle size < 45 $\mu m$	%	10.6

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## CERTIFICATE OF ANALYSIS

PRODUCT: **PURIFIED TEREPHTHALIC ACID**  
BATCH NO.: 42023072702  
MANUFACTURING DATE: 2023-07-27  
EXPIRY DATE: 2024-07-26

ITEM	UNIT	VALUE
Appearance		WHITE POWDER
DMF Color		5.0
Acid Number	mgKOH/G	675.7
Ash	mg/kg	1
Total Significant Heavy Metals	mg/kg	0.1
Fe	mg/kg	0.03
4-Carboxybenzaldehyde	mg/kg	8
p-Toluic Acid	mg/kg	140
Moisture Content	wt%	0.10
$\Delta Y$		2
B value		0.88
Average Particle size	$\mu m$	133
Particle size > 250 $\mu m$	%	15.5
Particle size < 45 $\mu m$	%	9.8

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## CERTIFICATE OF ANALYSIS

PRODUCT: **PURIFIED TEREPHTHALIC ACID**  
BATCH NO.: 42023080206  
MANUFACTURING DATE: 2023-08-02  
EXPIRY DATE: 2024-08-01

ITEM	UNIT	VALUE
Appearance		WHITE POWDER
DMF Color		5.0
Acid Number	mgKOH/G	675.2
Ash	mg/kg	1
Total Significant Heavy Metals	mg/kg	0.1
Fe	mg/kg	0.04
4-Carboxybenzaldehyde	mg/kg	19
p-Toluic Acid	mg/kg	123
Moisture Content	wt%	0.09
$\Delta Y$		4
B value		0.70
Average Particle size	$\mu m$	123
Particle size > 250 $\mu m$	%	13.5
Particle size < 45 $\mu m$	%	10.5

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## CERTIFICATE OF ANALYSIS

PRODUCT: **PURIFIED TEREPHTHALIC ACID**  
BATCH NO.: 42023080302  
MANUFACTURING DATE: 2023-08-03  
EXPIRY DATE: 2024-08-02

ITEM	UNIT	VALUE
Appearance		WHITE POWDER
DMF Color		5.0
Acid Number	mgKOH/G	675.2
Ash	mg/kg	2
Total Significant Heavy Metals	mg/kg	0.1
Fe	mg/kg	0.02
4-Carboxybenzaldehyde	mg/kg	18
p-Toluic Acid	mg/kg	117
Moisture Content	wt%	0.09
$\Delta Y$		3
B value		0.71
Average Particle size	$\mu m$	131
Particle size > 250 $\mu m$	%	16.0
Particle size < 45 $\mu m$	%	9.3

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**CERTIFICATE OF ANALYSIS**

PRODUCT: **PURIFIED TEREPHTHALIC ACID**  
 BATCH NO.: 42023080303  
 MANUFACTURING DATE: 2023-08-03  
 EXPIRY DATE: 2024-08-02

ITEM	UNIT	VALUE
Appearance		WHITE POWDER
DMF Color		5.0
Acid Number	mgKOH/G	675.2
Ash	mg/kg	2
Total Significant Heavy Metals	mg/kg	0.1
Fe	mg/kg	0.02
4-Carboxybenzaldehyde	mg/kg	18
p-Toluic Acid	mg/kg	116
Moisture Content	wt%	0.09
ΔY		2
B value		0.65
Average Particle size	μm	138
Particle size > 250 μm	%	17.2
Particle size < 45 μm	%	7.5

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## CERTIFICATE OF ANALYSIS

PRODUCT: **PURIFIED TEREPHTHALIC ACID**  
 BATCH NO.: 42023080304  
 MANUFACTURING DATE: 2023-08-03  
 EXPIRY DATE: 2024-08-02

ITEM	UNIT	VALUE
Appearance		WHITE POWDER
DMF Color		5.0
Acid Number	mgKOH/G	675.2
Ash	mg/kg	2
Total Significant Heavy Metals	mg/kg	0.1
Fe	mg/kg	0.02
4-Carboxybenzaldehyde	mg/kg	18
p-Toluic Acid	mg/kg	118
Moisture Content	wt%	0.09
$\Delta Y$		2
B value		0.62
Average Particle size	$\mu m$	138
Particle size > 250 $\mu m$	%	17.2
Particle size < 45 $\mu m$	%	7.5

  
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## CERTIFICATE OF ANALYSIS

PRODUCT: **PURIFIED TEREPHTHALIC ACID**  
BATCH NO.: 42023080305  
MANUFACTURING DATE: 2023-08-03  
EXPIRY DATE: 2024-08-02

ITEM	UNIT	VALUE
Appearance		WHITE POWDER
DMF Color		5.0
Acid Number	mgKOH/G	675.2
Ash	mg/kg	2
Total Significant Heavy Metals	mg/kg	0.1
Fe	mg/kg	0.02
4-Carboxybenzaldehyde	mg/kg	18
p-Toluic Acid	mg/kg	129
Moisture Content	wt%	0.09
$\Delta Y$		2
B value		0.70
Average Particle size	$\mu m$	124
Particle size > 250 $\mu m$	%	14.6
Particle size < 45 $\mu m$	%	11.1

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