



70 West 40th Street  
 New York, NY 10018  
 Phone: (646) 366-0400  
 Fax: (646) 366-0595

Order Number
Ship Date
Req. Delv. Date

## CERTIFICATE OF ANALYSIS

**Product Name:** Parachlorobenzotrifluoride-900R  
**Quality:** SMC Spec. 900R  
**Batch Number:** 2015-01

Test/Property	Specification	Result
Acidity, ppm (spec. ion probe)	3.0 PPM MAXIMUM	1.1
Alkalinity, ppm as NaOH	10.0 PPM MAXIMUM	0.0
Appearance	Clear liquid, free of suspended material	Clear liquid, free of suspended material
Assay, %	99.00 % MINIMUM	99.54
Color (APHA)	20 APHA MAXIMUM	10
Non Volatile Residue, Wt. %	0.0020 % MAXIMUM	0.0013
Specific Gravity (20C/25C)	1.3300 TO 1.3500 G/CC	1.3340
Water content, ppm	150 PPM MAXIMUM	96

**CERTIFIED TRUE AND CORRECT** *WH*

**Approval Date:** 5/5/2016

**Spec Revision Date:** 9/21/2015 10:14:55 AM

**Customer Information**

Nexo Solutions LLC. - Tewksbury, MA  
 Tewksbury Main St. Plant  
 400 Main Street  
 Tewksbury, MA 01876

**Print Date:** 5/16/16



70 West 40th Street  
 New York, NY 10018  
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Order Number
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## CERTIFICATE OF ANALYSIS

**Product Name:** Parachlorobenzotrifluoride-900R  
**Quality:** SMC Spec. 900R  
**Batch Number:** W28473

Test/Property	Specification	Result
Acidity, ppm (spec. ion probe)	3.0 PPM MAXIMUM	2.5
Alkalinity, ppm as NaOH	10.0 PPM MAXIMUM	0.0
Appearance	Clear liquid, free of suspended material	Clear liquid, free of suspended material
Assay, %	99.00 % MINIMUM	99.61
Color (APHA)	20 APHA MAXIMUM	10
Non Volatile Residue, Wt. %	0.0020 % MAXIMUM	0.0012
Specific Gravity (20C/25C)	1.3300 TO 1.3500 G/CC	1.3340
Water content, ppm	150 PPM MAXIMUM	131

**CERTIFIED TRUE AND CORRECT** WH

**Approval Date:** 8/2/2016

**Spec Revision Date:** 9/21/2015 10:14:55 AM

### Customer Information

Nexeo Solutions, LLC.-Willow Springs, IL  
 Distribution Services  
 8500 South Willow Springs Rd.  
 Willow Springs, IL 60480

W28473  
 SMC 900R

**Print Date:** 8/23/16



70 West 40th Street  
 New York, NY 10018  
 Phone: (646) 366-0400  
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Order Number
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Req Delv Date

## CERTIFICATE OF ANALYSIS

**Product Name:** Parachlorobenzotrifluoride-900R  
**Quality:** SMC Spec. 900R  
**Batch Number:** 150928177

<u>Test/Property</u>	<u>Specification</u>	<u>Result</u>
Acidity, ppm (spec. ion probe)	3.0 PPM MAXIMUM	2.6
Alkalinity, ppm as NaOH	10.0 PPM MAXIMUM	0.0
Appearance	Clear liquid, free of suspended material	Clear liquid, free of suspended material
Assay, %	99.00 % MINIMUM	99.62
Color (APHA)	20 APHA MAXIMUM	10
Non Volatile Residue, Wt. %	0.0020 % MAXIMUM	0.0013
Specific Gravity (20C/25C)	1.3300 TO 1.3500 G/CC	1.3340
Water content, ppm	150 PPM MAXIMUM	134

CERTIFIED TRUE AND CORRECT WH

Approval Date: 8/24/2016

Spec Revision Date: 9/21/2015 10:14:55 AM

Customer Information

Nexo Solutions, LLC.-Willow Springs, IL  
 Distribution Services  
 8500 South Willow Springs Rd.  
 Willow Springs, IL 60480

Print Date: 9/15/16



70 West 40th Street  
 New York, NY 10018  
 Phone: (646) 366-0400  
 Fax: (646) 366-0595

Order Number:
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Req Delv Date:

## CERTIFICATE OF ANALYSIS

**Product Name:** Parachlorobenzotrifluoride-900R  
**Quality:** SMC Spec. 900R  
**Batch Number:** 9360

Test/Property	Specification	Result
Acidity, ppm (spec. ion probe)	3.0 PPM MAXIMUM	1.9
Alkalinity, ppm as NaOH	10.0 PPM MAXIMUM	1.0
Appearance	Clear liquid, free of suspended material	Clear liquid, free of suspended material
Assay, %	99.00 % MINIMUM	99.70
Color (APHA)	20 APHA MAXIMUM	10
Non Volatile Residue, Wt. %	0.0020 % MAXIMUM	0.0010
Specific Gravity (20C/25C)	1.3300 TO 1.3500 G/CC	1.3340
Water content, ppm	150 PPM MAXIMUM	94

**CERTIFIED TRUE AND CORRECT** WH

**Approval Date:** 9/13/2016

**Spec Revision Date:** 9/21/2015 10:14:55 AM

**Customer Information**

Nexeo Solutions, LLC.-Willow Springs, IL  
 Distribution Services  
 8500 South Willow Springs Rd.  
 Willow Springs, IL 60480

**Print Date:** 9/30/16