

## **Parker, Bryan**

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**From:** helmut.grohnert@us.endress.com  
**Sent:** Thursday, March 20, 2014 10:12 AM  
**To:** Parker, Bryan  
**Subject:** Endress+Hauser License Amendment 13-32721-01 Control # 583034  
**Attachments:** Endress+Hauser wipe test - 032014.pdf.zip

Per our phone call from a couple of weeks ago, attached please find the leak test certificates of the most recent transactions moving through our current storage room (to be released for unrestricted use). These 2 items have just arrived recently and are likely to ship to the end user either this evening or tomorrow (depending on RSO availability on the end user site to receive them). Past these 2 units, we are not expecting any additional deliveries in the next 3 to 4 weeks.

Would you please advise on the status of our amendment. Due to the progression of our ongoing renovation process, we would like to re-designate and move this locations as soon as possible. Please note that these documents come from the OEM, so they are both in English and German.

Thank you for your assistance

Best regards

Helmut Grohnert

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Quality/Safety Manager / RSO

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ps: I will be out of the office starting 3/25 - 4/3/14, and will not be able to receive any fax information.

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Endress+Hauser GmbH & Co. KG  
Postfach/P.O. Box 1261  
D-79690 Maulburg

## Wipe test report for surface contamination/ Wischtestprotokoll der Oberflächenkontamination

Dry wipe test according to DIN25426-4:1995-04 sect. 5.2 and ISO9978:1992(E) sect. 5.3.2  
Test report and measurement procedure following ISO 7503-1:1988

Trockener Wischtest nach DIN25426-4:1995-04 Abschnitt 5.2 und ISO9978:1992(E) Abschnitt 5.3.2  
Protokoll und Probenahme nach ISO 7503-1:1988

### Strahlenschutzbehälter/ Source container FQG61

TAG number	Messstellen-Nummer	K3 Source Holder
Ordercode	Bestellcode	FQG61-ADB1A1A21A+Z1
Serial number	Seiellennummer	J2001F0113F
Radionuclide	Isotop	Cs137
Source No.	Strahler-Nr.	AD-5617
Activity	Aktivität	370MBq/10mCi
Source type	Strahler Typ	VZ79-001 ISO/C66646

### MOMENTIVE SPECIALTY CHEMICALS INC ATTN: ACCTS PAYABLE

Customer number	Auftragsnummer	46143596
Customer order number	Auftragsnummer des Kunden	4501676061
Sales order number	Kommissionsnummer	3800057598/0020
Order confirmation no.	Auftragsbestätigungsnr.	4501676061

Location and sub-location	Ort der Wischprobenahme	Endress+Hauser Production Center Maulburg T.09.UG.05.01
Type of surface for indirect evaluation	Art der Oberfläche	Stainless steel unpolished
Dry wipe material	Wischmaterial trocken	Whatman Grade 4 circles 42.5mm diam.
Assumed removal factor	Entnahmefaktor (konservativer Pauschalwert)	0.1
wipe area (indirect evaluation)	Wischfläche (indirekte Bestimmung)	100 cm²

### Test equipment/Verwendetes Messgerät

Measurement instrument used	Benutztes Messgerät	Berthold LB2049
serial number	Seriennummer	6021
Instrument efficiency	Ansprechvermögen des Messgerätes	0.62
Calibration-ID	Kalibrations-ID	6021
Date of last calibration	Kalibrierdatum	May 2013
Next calibration	Nächstes Kalibrierdatum	May 2014
Reference source	Referenzstrahler	
radionuclide	Isotop	Eckerl&Ziegler CKR05022
surface emission rate	Oberflächenemissionsrate	771 1/s ln 2pi sr (2012-11)
Type	Typ	CDR05022
Source number	Strahler-Nr.	UR 622
Calibration mark	Kalibrierzeichen	025435/D-K-15203-01-00/2012-11

### Test results/Messergebnisse

Instrument reading of the contamination	Anzeige des Gerätes bei der Messung der Kontamination	1.57Bq
Activity per unit area (tolerated maximum value: 18.5Bq)	Aktivität je Flächeneinheit (zul. Maximalwert: 18.5Bq)	0.16Bq/cm²
Operator / Bediener	106861	Testergebnis/
Date / Datum	05. Mar 2014	Testresult
		Pass / Bestanden

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Test report and measurement procedure following ISO 7503-1:1988

Trockener Wischtest nach DIN25426-4:1995-04 Abschnitt 5.2 und ISO9978:1992(E) Abschnitt 5.3.2

Protokoll und Probennahme nach ISO 7503-1:1988

### Strahlenschutzbehälter/ Source container FQG61

TAG number	Messstellen-Nummer	K4 Source Holder
Ordercode	Bestellcode	FQG61-ADBIKA1A21A+Z1
Serial number	Seriennummer	J2001E0113F
Radionuclide	Isotop	Cs137
Source No.	Strahler-Nr.	US 955
Activity	Aktivität	740MBq/20mCi
Source type	Strahler Typ	VZ79-001 ISO/C66646

### MOMENTIVE SPECIALTY CHEMICALS INC ATTN: ACCTS PAYABLE

Customer number	Auftragsnummer	46143596
Customer order number	Auftragsnummer des Kunden	4501676061
Sales order number	Kommissionsnummer	3800057598/0080
Order confirmation no.	Auftragsbestätigungsnummer	4501676061
Location and sub-location	Ort der Wischprobennahme	Endress+Hauser Production Center Maulburg T.09.UG.05.01
Type of surface for indirect evaluation	Art der Oberfläche	Stainless steel unpolished
Dry wipe material	Wischmaterial trocken	Whatman Grade 4 circles 42.5mm diam.
Assumed removal factor	Entnahmefaktor (konservativer Pauschalwert)	0.1
wipe area (indirect evaluation)	Wischfläche (indirekte Bestimmung)	100 cm²

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Date of last calibration	Kalibrierdatum	May 2013
Next calibration	Nächstes Kalibrierdatum	May 2014
Reference source	Referenzstrahler	
radionuclide	Isotop	Eckert&Ziegler CKR05022
surface emission rate	Oberflächenemissionsrate	771 l/s In 2pi sr [2012-11]
Type	Typ	CDR05022
Source number	Strahler-Nr.	UR 622
Calibration mark	Kalibrierzeichen	025435/D-K-15203-01-00/2012-11

### Test results/Messergebnisse

Instrument reading of the contamination	Anzeige des Gerätes bei der Messung der Kontamination	1.33Bq
Activity per unit area (tolerated maximum value: 18.5Bq)	Aktivität je Flächeneinheit (zul. Maximalwert: 18.5Bq)	0.13Bq/cm²
Operator / Bediener	106861	Testergebnis/ Testresult
Date / Datum	05. Mar 2014	Pass / Bestanden

Endress+Hauser

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