



# AUTHORIZATION TO MARK

This authorizes the application of the Certification Mark(s) shown below to the models described in the Product(s) Covered section when made in accordance with the conditions set forth in the Certification Agreement and Listing Report. This authorization also applies to multiple listee model(s) identified on the correlation page of the Listing Report.


This document is the property of Intertek Testing Services and is not transferable. The certification mark(s) may be applied only at the location of the Party Authorized To Apply Mark.

**Applicant:** Hach Co.  
**Address:** 5600 Lindbergh Drive  
PO Box 389  
Loveland, CO 80539  
**Country:** USA  
**Contact:** Mr. Gail Birdsall  
**Phone:** (970) 669-3050 x2682  
**FAX:** (970) 962-6730  
**Email:** gbirdsall@hach.com

**Manufacturer:** Hach Co.  
**Address:** 5600 Lindbergh Drive  
PO Box 389  
Loveland, CO 80539  
**Country:** USA  
**Contact:** Mr. Gail Birdsall  
**Phone:** (970) 669-3050 x2682  
**FAX:** (970) 962-6730  
**Email:** gbirdsall@hach.com

**Party Authorized To Apply Mark:** Same as Manufacturer  
**Report Issuing Office:** Dallas, TX

**Control Number:** 65454

**Authorized by:**   
William T. Starr, Certification Manager



This document supersedes all previous Authorizations to Mark for the noted Report Number.

This Authorization to Mark is for the exclusive use of Intertek's Client and is provided pursuant to the Certification agreement between Intertek and its Client. Intertek's responsibility and liability are limited to the terms and conditions of the agreement. Intertek assumes no liability to any party, other than to the Client in accordance with the agreement, for any loss, expense or damage occasioned by the use of this Authorization to Mark. Only the Client is authorized to permit copying or distribution of this Authorization to Mark and then only in its entirety. Use of Intertek's Certification mark is restricted to the conditions laid out in the agreement and in this Authorization to Mark. Any further use of the Intertek name for the sale or advertisement of the tested material, product or service must first be approved in writing by Intertek. Initial Factory Assessments and Follow up Services are for the purpose of assuring appropriate usage of the Certification mark in accordance with the agreement, they are not for the purposes of production quality control and do not relieve the Client of their obligations in this respect.

Intertek Testing Services NA Inc.  
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**Standard(s):** Standard for Safety for Explosive atmospheres - Part 0: Equipment - General requirements (ANSI/UL 60079-0-2009, Fifth Edition, Dated October 21, 2009);  
Standard for Safety for Explosive Atmospheres - Part 11: Equipment Protection by Intrinsic Safety "i" (ANSI/UL 60079-11-2009, Fifth Edition, Dated September 30, 2009);  
Electrical apparatus for explosive gas atmospheres – Part 0: General requirements (CAN/CSA-C22.2 No. 60079-0:07, 4th Ed.);  
Electrical apparatus for explosive gas atmospheres – Part 11: Intrinsic safety "i" (CAN/CSA-E60079-11:02, 4th Ed., Reaffirmed 2006)



## AUTHORIZATION TO MARK

Associated Apparatus Diode Safety Barrier

**Product:** For Use In: Non Hazardous (Ordinary) Locations  
Provides: Intrinsically Safe Outputs for Class I, Zone 1 Hazardous Locations, when used in accordance with control drawing BARRIERV3-1  
Classification: [AEx ib Gb] IIB and [Ex ib Gb] IIB  
Entity Parameters:  $U_m = 16.1$  VDC;  $U_o = 7.2$  VDC;  $I_o = 0.96$  A;  $P_o = 1.73$  W;  $L_o < 80$   $\mu$ H;  
 $C_o < 207.3$   $\mu$ F;  $L_o/R_o = 86.95$   $\mu$ H/Ohm  
Ambient:  $-10C < T_{amb} < 50C$

**Models:** 6629000