



## **ALTAIR® 5/5X Rechargeable Battery Pack**

### **Test Results**

### **UN Manual of Tests and Criteria, Part III, Sub-section 38.3**

**MSA Corporate Center**  
1000 Cranberry Woods Drive  
Cranberry Township, PA 16066  
800.MSA.2222  
www.MSAnet.com

April 15, 2013

Attached is a certificate indicating the successful completion of tests as outlined in the **UN Manual of Tests and Criteria, Part III, Sub-section 38.3** for an ALTAIR® 5 Multigas Detector Rechargeable Battery Pack. The attached certificate applies to all MSA ALTAIR® 5 and ALTAIR® 5X lithium ion battery packs.

Sincerely,

A handwritten signature in blue ink, appearing to read "Mark Sebring".

Mark Sebring  
Global Environmental Manager



**MOTOROLA**  
Product Testing Services

*This is to Certify that*

*Battery Model:*

**MSA Altair5 Rechargeable Pack (10083508 REV 0)**

*Manufactured by or for:*  
**Mine Safety Appliances Co**

Has successfully passed the following tests as described in the UN Manual of Tests and Criteria, Part III, sub-section 38.3:

Test 1: Altitude Simulation  
Test 2: Thermal Test  
Test 3: Vibration

Test 4: Shock  
Test 5: External Short Circuit  
Test 7: Overcharge (Packs Only)

*Cynthia Millsaps*

Laboratory Manager

*Kerry Mitchell*

Program/Business Manager