

# ICS<sup>®</sup>

## INC. LABORATORIES

Client: Avon Technical Products  
Hampton Park West,  
Melksham, Wiltshire,  
SN12 6NB  
United Kingdom

Date: 18 February 2002  
Report: J1456-02  
Issue: 1  
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### Objectives:

1. Contract testing to NIOSH 42 CFR Part 84.207 Subpart L (gas / vapor cartridge bench tests), for Avon Technical Products-supplied DPF12 Filters (Part # 045124) Gas-Particulate chemical cartridges. The breakthrough times against Carbon Tetrachloride (CCl<sub>4</sub>), Chlorine (Cl<sub>2</sub>), Phosphine (PH<sub>3</sub>), o- Chlorobenzylidene Malononitrile (CS) and 2-Chloroacetylphenone (CN) gases / vapors were determined.

### Materials:

Date provided by the Client: 23 January 2002  
Date Testing Authorized: 23 January 2002  
Dates of tests: 28 January through 14 February inclusive  
Drawing (s): Not provided  
Batch /Lot #: Not provided  
Manufacturer / Supplier: Scott Health & Safety  
ICS Sample ID: 1-X

1. Seventy-two, (72) DPF12 (Part # 045124) Gas-Particulate chemical cartridges

### Procedures:

Testing protocols in accord with good laboratory practice were employed for all tests.  
Equipment and instrument calibrations verified current and within specification prior to usage.  
Testing procedures as specified within 42 CFR Part 84 were followed.  
Materials for assessment were inventoried, numbered (if needed) and logged upon receipt (re. Materials).

### Summary:

Based on the attached data, the DPF12 (Part # 045124) Gas-Particulate chemical cartridges above as sampled, **successfully met** the NIOSH 42 CFR Part 84.207 minimum service life criteria for Carbon Tetrachloride (CCl<sub>4</sub>), Chlorine (Cl<sub>2</sub>), Phosphine (PH<sub>3</sub>), o- Chlorobenzylidene Malononitrile (CS) and 2-Chloroacetylphenone (CN) gases & vapors.

Service life test data results are provided below: