DRY CHEMICAL AGENT TESTING SERVICES

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WHY TEST DRY CHEMICAL AGENT?

Dry chemical agents can be affected over time by environmental conditions, vibration, moisture intrusion, improper storage, and contamination. These factors may cause caking, agglomeration, degradation, or changes in flow characteristics that can impair agent discharge and system performance during a fire event. Dry chemical agent testing provides objective information about agent condition and suitability for continued service, helping organizations make informed maintenance and replacement decisions while supporting compliance with applicable NFPA inspection, testing, and maintenance requirements.

LAB TESTING

Dyne Fire Protection Labs offers the following analysis for dry chemical agents:

Moisture Content
High moisture content can lead to caking of the agent, resulting in inadequate flow of the agent through the equipment, and/or corrosion of the storage vessel, potentially compromising its integrity.

Chemical Composition
A chemical composition other than that listed with the equipment and hazard may not work as designed. Mixing of different types of agents can lead to a chemical reaction that produces byproducts of water (increasing agent moisture content) and carbon dioxide (increases vessel pressure to dangerous levels).

WHY TEST WITH DYNE?

- Test reports in 5-business days or less (rush 24 hour turn-around available)
- Free Dry Chemical Agent sample kits
- Free shipping within the contiguous United States (limited free 1-way shipping to Alaska, Hawaii, Puerto Rico, and Canada, inquire for details)
- Comprehensive reports and tank tags
- Online access to results and return forms
- Immediate communication with our quality technician or customer service staff

RELEVANT STANDARDS

- NFPA 10 Portable Fire Extinguishers
- NFPA 17 Dry Chemical Extinguishing Systems
- IMO 1432
- ISO 7202 Fire protection – Fire extinguishing media – powder
- OSHA 29

FREE SAMPLE TEST KITS & SHIPPING

- Each kit contains 1 moisture-proof 60 ml sample container, foam packing material, and a form
- UPS Ground shipping to you is included as well as return labels (UPS/USPS) that can be used within the contiguous United States (limited 1-way free shipping to Alaska, Hawaii, and Canada, inquire for details.)



NFPA® GLOBAL SOLUTIONS

Contact Us!

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