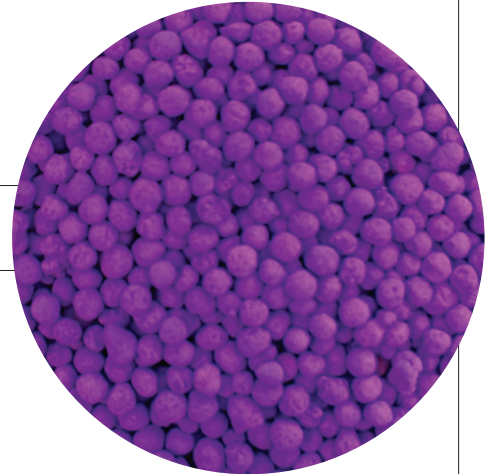


# SAAFoxidant™

## CHEMICAL MEDIA



- Non-flammable and non-toxic
- Accurate service life testing
- Does not support bacterial and fungal growth
- Removes and holds contaminants by chemical conversion
- Patent pending high capacity formulation

### Engineered Media

SAAFoxidant engineered gas removal chemical media is designed to efficiently remove gaseous contaminants from airstreams.

Target contaminants include:

- Formaldehyde
- Hydrogen sulfide
- Lower molecular weight aldehydes and organic acids
- Nitric oxide
- Sulfur dioxide

Manufactured as spherical, porous pellets, SAAFOxidant engineered media is composed of a combination of activated alumina, binders, and potassium permanganate. Potassium permanganate is applied uniformly during pellet formation and is distributed throughout the pellet volume to create a completely homogenous particle. This process provides the maximum amount of impregnant for chemical reaction and optimal performance.

### Chemisorptive Process

The SAAFOxidant media chemisorptive process removes the contaminant gases by adsorption, absorption, and chemical reaction. In this process, the contaminant is trapped within the pellet, where oxidation converts the contaminants into harmless compounds and thereby mitigates the possibility of desorption.

### Quality Control

SAAFoxidant media undergoes the following quality control tests:

- Apparent Density
- Crush Strength
- Moisture Content
- Pellet Diameter
- Potassium Permanganate Content

# SAAF<sup>®</sup>Oxidant™ Media

## Typical Properties

Apparent density:	780 kg/m <sup>3</sup> acc. ASTM D2854
Crush strength:	30–75%
Nominal diameter:	3 mm
Shape:	Sphere

*Disclaimer: Typical properties are produced using AAF and industry standard test methods. They are listed for informational purposes only and are not to be used as purchase specifications. Certificates of analysis are available for specific batches upon request. Please contact your local AAF sales representative for more information.*

## Packaging Options and Application Guidelines

### Packaging Options

SAAF<sup>®</sup>Oxidant media is packaged containers of 25 kg and big bags of 500 kg.

SAAF<sup>®</sup>Oxidant media is also available packaged in SAAF cartridges, cassettes, and trays.

### Application Guidelines

SAAF<sup>®</sup>Oxidant media performs under the following application guidelines (actual capacities and efficiencies may vary):

- Temperature: -20° to 55 °C
- Humidity: 10% – 95% RH
- Airflow: From 40 m<sup>3</sup>/h to over 170.000 m<sup>3</sup>/h
- Velocity: From 0,30 to 2,5 m/s

Refer to appropriate AAF documentation for additional information on contaminant gases.

## Installation and Disposal Requirements

### Installation

The installers must use dust masks, safety goggles, and rubber gloves.

### Disposal

The spent SAAF<sup>®</sup>Oxidant media must be disposed of according to local and federal guidelines. MSDS included in each shipment.

## Safety

Make sure that workers adhere to the provincial and state safety guidelines.



AAF International  
European Headquarters  
Robert-Bosch-Straße 30-32, 64625 Bensheim  
Tel: +49 6251 80368 – 0, Fax: +49 6251 80368 – 20  
aafintl.com

AAF has a policy of continuous product research and improvement and reserves the right to change design and specifications without notice.

©2017 AAF International  
and its affiliated companies.

ISO Certified Firm GPF\_713\_EN\_052017