



Spectrum HS-600

granular potassium permanganate impregnated media for odor and corrosion control

Spectrum HS-600 is a silicate compound impregnated with potassium permanganate. It is ideal for certain applications where activated carbon is ineffective like the adsorption and oxidation of polar or lower molecular weight compounds. Spectrum HS-600 contains a higher percentage of potassium permanganate compared to similar products thus giving it longer service life. It is also considerably less dusty than other products making for easier and cleaner handling and use.

Specifications

Mesh Size (US Sieve Series):	4x8
Bulk Density, lbs./cu.ft.:	60 (min)
g/cc:	0.96 (min)
Moisture Content, %:	12 (avg)
Potassium Permanganate (KMnO ₄) content, %:	6 (min)

Performance Characteristics

The performance characteristics of Spectrum HS-600 shall meet or exceed a service life of no less than 72 hours for breakthrough of hydrogen sulfide at the following test conditions:

Media Bed Volume, cc:	76.0
Bed Configuration, cm:	2.54 (1d) x15
Flow Rate, ml/min:	3000 (+100)
Air velocity, cm/sec:	5.26
Relative Humidity, %:	70
Challenge Gas:	Hydrogen Sulfide
Challenge Gas Concentration, ppm:	10 (+25)

FEATURES

Unique Proprietary
Technology

Higher Surface Area

Higher Density

No Dusting

BENEFITS

Spectrum Contains Active Ingredient
Potassium Permanganate ($KMnO_4$)
And a Silicate Compound Hydrosil

More Adsorption

80% More Active Ingredients on a
Volumetric Basis, Longer System Life
and Labor Savings

Easier and Safer Handling, Lower
Handling Cost, Less Strain on Pollution
Control System

FOR THE MANAGEMENT OF

Computer Rooms, Control Rooms,
Protection of Electronic Equipment

Odor Abatement

Indoor Air Quality and Odor

Protects Vegetables and Flowers

Clean Rooms and Critical
Manufacturing

Exhaust Streams

Cooking Exhaust Streams

TYPE OF INDUSTRY

Hostile Industrial Environments (Pulp
and Paper Mills, Steel and Copper
Mills, Refineries and Petrochemical
Plants)

Sewerage and Waste Water
Treatment Plants

Public Buildings, Offices, and
Museums

Transportation and Storage
Companies

Silicon Chip Mfg., Pharmaceuticals,
Medical Device Mfg., and Food
Industry

Industries with Acid and Other Gases

Restaurants