



Platypus DosimeterTM for H₂S Sampling Technical Specifications

H₂S Concentration Range	0.2 ppm to 100 ppm
Recommended Sampling Time	5 minutes to 96 hours
Sampling Mechanism	Passive (Diffusive) Air Sampling
Standard Error	±5% (For exposures between 2 to 80 ppm x hours)
Sensor Type	Liquid Crystal
Detection Principle	H ₂ S binds to active surface; liquid crystal reports presence of H ₂ S on surface
Badge Dimensions	3.3" x 1.1" x 0.3" (83 x 28 x 7.5 mm)
Badge Weight	0.5 oz. (14 g)
Temperature Range	14 F to 122 F (-10°C to 50 °C)
Humidity Range	0 to 90 % RH
Humidity Correction	Not required
Temperature Correction	Not required
Interference	Mercaptans
Shelf Life	12 months (refrigerated); 1 month (at room temp.)

TERMS & CONDITIONS

THESE PRODUCTS ARE INTENDED FOR DETERMINING THE LEVEL OF PERSONAL EXPOSURE TO TOXIC GASES AFTER THE EXPOSURE HAS ALREADY OCCURRED. THESE PRODUCTS DO NOT PROVIDE ANY WARNING TO THE USER IF THE LEVEL OF TOXIC GASES IS HIGH. IT IS, THEREFORE, THE USER'S RESPONSIBILITY TO ENSURE THAT THE ENVIRONMENT IS SAFE DURING THE EXPOSURE ASSESSMENT USING THESE PRODUCTS.

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U.S. Pat. No. 628419, No. 6858423, No. 7135143, No. 8246911, and other pending patent applications.