

INTEGRATION TEST REPORT

95 Gallon SPILL KIT

Model No.: SYK950\SYK951\SYK952

To: SYSBEL CHINA Co., Ltd

EXAMINATION AND TESTS:

SYSBEL Spill Kits (SYK950\SYK951\SYK952) were submitted as representative of the SYSBEL product line. The examination shows their constituent overpack salvage drums are completely free of seams and fully hermetical; the constituent absorbents illustrate the properties of high absorptivity, good durability and high efficiency. Manufacturer's drawings with complete material specifications for SYSBEL Spill Kits were kept in file.

1.1 The SYSBEL Spill Kits are compliant with the standard EPA, SPCC and NPDES. According to the inspection, the constituent overpack salvage drums are made of chemically inert linear low-density polyethylene (LLDPE) material, which resists to most acids, alkalis, organic solvents and most corrosive chemical liquids such as solutions of sulfuric acid, nitric acid, hydrochloric acid, acetic acid, etc.; the constituent absorbents (absorbent pads\absorbent socks\absorbent pillows) are made from specially treated MBPP, and show good property in anti-abrasion, and the SYK951's constituent absorbents are able to response to most of corrosives, polar chemicals, and hazardous materials.

1.2 The overpack salvage drum passed 0.2 bar pressure seal test; the result shows that it can keep entirely tight and leakproof. The further test for property of constituent absorbents shows that SYK950's constituent absorbents are able to absorb oil, water solution and some corrosives, and SYK951's constituent absorbents are able to absorb most of corrosives, polar chemicals, and hazardous materials, for instance, 98% sulfuric acid, hydrogen peroxide, 30% sodium hydroxide, hydrochloric acid, hydrofluoric acid, potassium hydroxide, and ammonia. SYK952 includes universal absorbent, which apply for both oil and water as well as some corrosive chemicals.

1.3 The overpack salvage drum weighs 21Kg. According to the test, it showed that the maximum containment capacity is 95/360 (gal/L) and it illustrated a good handling capacity of 292.5 Kg. In the test for absorptivity of absorbents, a piece of absorbent pad is able to response to 0.6 liter liquid, an absorbent sock is able to response to 4.16 liter liquid, and individual absorbent pillow is able to deal with 7.5 liter liquid.

1.4 The results of the examination and tests are satisfactory.

CONCLUSION:

The spill kits meet SYSBEL testing requirements. The spill kits for universal liquids or corrosives are selected for testing according to random sample, which gauge cover SYK950, SYK951 and SYK952.

SYSBEL Safety Laboratory

