

continuous purification ~ simple package ~ proven reliability

Amine HSS-PAK™

If your facility uses amines in its processes, then you know the importance of monitoring effectiveness and contamination in the amine circuit. Eco-Tec has developed the Amine Heat Stable Salts Portable Analysis Kit (Amine HSS-PAK™), a quick, easy-to-use portable analysis kit to aid in the consistent monitoring of heat stable salt (HSS) levels in amines.

What is Your HSS Level?

The purpose of the *Amine HSS-PAK™* is to provide refineries, gas plants, and CO₂ capture processes with a quick, easy and economical tool for analyzing the levels of corrosive, and potentially costly, HSS levels within amine solutions.

Features of the Amine HSS-PAK™:

- *Amine HSS-PAK™* is **versatile and accurate**, designed to analyze MEA, DEA, MDEA, DIPA, and proprietary amines.
- *Amine HSS-PAK™* is **fast**, taking less than 20 minutes to perform accurate testing of HSS levels.
- *Amine HSS-PAK™* is **compact** and completely self-contained with all the necessary equipment and detailed instructions to perform 200 separate tests.
- *Amine HSS-PAK™* is **economical** and offers replacement kits that provide equipment for an additional 185 tests.
- *Amine HSS-PAK™* comes **contained** in a protective, fully insulated carrying case.



To Order or For More Information:

Call Eco-SERV at 1-800-478-5517 or email ecoserv@eco-tec.com



Amine HSS-PAK™

Methodology

The Amine HSS-PAK™ incorporates a fast, simple and easy-to-use method intended for the field determination of total HSS levels in lean amine solutions. Using a specific membrane separator followed by the use of a digital titrator, the elimination of the loading effect of amine and HSS calculations can quickly and easily be achieved. The Amine HSS-PAK™ comes with a detailed instruction manual, and enough equipment and consumables to produce 200 analyses, including:

- Digital Titrator
- Resin Cartridges
- Titration Stand with Base
- Non-breakable laboratory flasks, beakers and syringes
- Membrane Contactor
- Case
- Instructions Manual
- Test paper, indicator and consumable components

The HSS Replacement Kit for the Amine HSS-PAK™ includes:

- Non-breakable syringes
- Test paper, indicator and consumable components

Amine HSS-PAK™ and Replacement Kits are available with or without the required chemicals.

Required Chemicals for Amine Analysis	Quantity for 200 Analyses
0.1N (N/10) standardized potassium hydroxide (KOH) solution	200 mL
0.25N standardized potassium hydroxide (KOH) solution	200 mL
0.5N standardized potassium hydroxide (KOH) solution	200 mL
10% or 1N hydrochloric acid solution (HCl)	24 L
Demineralized (DI) or distilled water	50 L



Contact Eco-Tec for more details!

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