IMPORTANT, READ PRIOR TO USAGE

ReSpark Innovations — Chemi-Sense Amine Residual Sensor

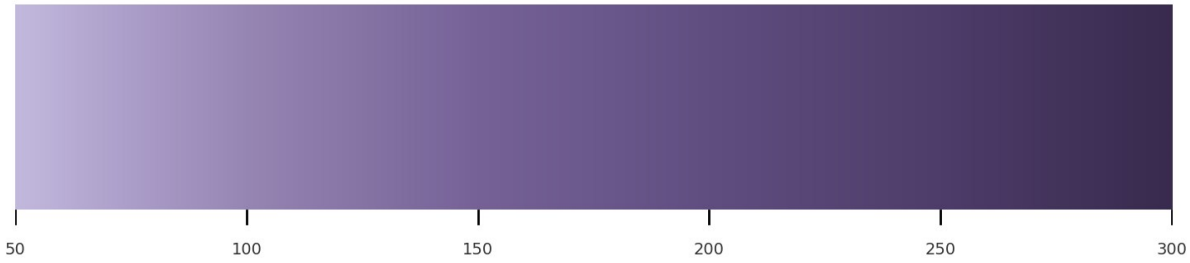
ReSpark Innovations' Chemi-Sense Amine Residual Sensor provides repeatable and reliable estimation of amine residuals (primary and secondary amines) in samples (crude, natural gas, and produced water, etc.) directly at the source. Engineered for field testing, the sensor accurately detects **50–300 ppm** amine levels with results available in **under 5 hours**, providing **fast, accurate amine residual detection in the field.** The results can be accelerated to **25 minutes** by using a handwarmer provided.

How to Use

1. Collect a sample (crude, natural gas, or produced water, etc.), ensuring the presence of some water phase.
2. Put on the glove (provided) and place the sensor film in the sample for at least 1 minute.
3. Remove the sensor film and place it in the container the sensor coming with (dry, contaminant-free) and keep the sensor in container (container remains open) for about 5 hours. To accelerate reading, put the sensor on the provided handwarmer for 25 minutes.
4. Match the final sensor film color to the provided calibration color chart below to determine the amine concentration of your sample in parts per million (ppm).
5. Place the final sensor film in the empty box below and take a photo using your photo for record/documentation.

Note: If necessary, the sensor may be <u>gently</u> wiped clear of any debris or oils using a clean tissue or paper towel before placing it into the provided container.

Amine Residual Concentration



(Reference Grey Color for Lighting Correction)

Place final sensor film in the box above for a photo as a record

Reading & Sample taken location (and other notes): _____

Questions refer to: contact@resparkinnovations.com