

K052

Salt Testing Kit

This kit is sufficient to carry out 100 tests for iodized salt

- Salt iodine testing is an important process indicator
- For monitoring towards Universal Salt Iodization Programme (USI). Under the National Iodine deficiency Disorders Control programme in India, Iodization of salt is the recommended strategy, with the level of Iodization fixed at a minimum of 15 parts per million (ppm) at the consumer level and 30 ppm at the production level.
- Determine the Iodine level in Iodized salt (sodium-chloride, Table salt)
- Very quick, reliable and user friendly

Determination of Iodine in Iodized salt (Sodium chloride)
Range - less than 15 ppm to more than 15 ppm (mg/kg) as Iodine



• *Safe* • *Easy* • *Reliable*

Kit Content

Reagent -15 ml (1no), spoon and sample holder

Directions

To make a pinhole to the dropper, twist the cap of the bottle tightly before use for the first time. In case of failure, prick the dropper with a sharp pin.

Always shake the bottle before use.

1. Take one spoonful (Approx. 0.1 to 0.2g) salt sample to be checked.
2. Add one drop of the test solution on the surface of the salt by gently pressing
3. The colour of the salt will turn Light violet blue to dark violet blue depending on the iodine content of the salt.

Imp.: Compare *instantly* with the given colour chart and determine the iodine level in the iodized salt sample.

Observation

Appearance of intense blue-black colour: Iodine present.

No change in colour: Iodine absent

Iodine Test colour Chart



No Iodine



Low Iodine
(Less than 15 ppm)



Adequate level of Iodine
(more than 15 ppm)

Calculation

Iodine

Record ppm (mg/kg) of Iodine obtained by standard colour comparison.

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