



# SAHAYAMATHA SALT REFINERY PVT. LTD.

13A/1, Meenakshipuram West, Pillaiyar Koil Street, Tuticorin-628 002.  
TIN No. : 33435841195 CST No. : 476819/21-06-1995  
Phone : Off : 2320089, 2321491, 2323301 (Off) Fax : 0461-2321650  
Factory : 04638-227322 (Fac) Fax : 04638-227354 Grams : SAHAYAM Telex : 434-249 KSPS IN  
E-mail : ttn\_sahayam@sancharnet.in

Ref : SSRL/035/13 – 14

06.07.2013

To  
**TD. SUNDARARAJ**  
G3, Gokul Appartment  
No. 4, Fourth Cross Street  
Trust Puram  
Kodambakkam  
Chennai – 600 024

Dear Sir,

We are giving below the test result of double fortified salt using Ferrous Sulphate and encapsulated Ferrous Fumerate.

| Parameters                     | Trial - I               | Trial - II              | Trial - III                    | Trial - IV                     |
|--------------------------------|-------------------------|-------------------------|--------------------------------|--------------------------------|
| Trial date                     | 22.06.13                | 22.06.13                | 22.06.13                       | 22.06.13                       |
| Ferrous Sulphate               | 5 g / kg of salt        | -                       | 5 g / kg of salt               | -                              |
| SHMP                           | 10 g / kg of salt       | -                       | 10 g / kg of salt              | -                              |
| Ferrous Fumerate               | -                       | 7 gm / kg of salt       | -                              | 7 gm / kg of salt              |
| Iodine, ppm (Initial)          | 48.7                    | 54.0                    | 43.4                           | 44.4                           |
| Type of salt used              | Crushed raw salt        | Crushed raw salt        | Refined Free Flow Iodised salt | Refined Free Flow Iodised salt |
| Appearance and colour          | Crystalline, dull white | Crystalline, dull white | Crystalline, white             | Crystalline, white             |
| Particle size                  | Less than 1.0 mm        | Less than 1.0 mm        | Less than 0.85 mm              | Less than 0.85 mm              |
| Moisture, %                    | 0.93                    | 0.93                    | 0.21                           | 0.21                           |
| Calcium as Ca, %               | 0.15                    | 0.15                    | 0.12                           | 0.12                           |
| Magnesium as Mg, %             | 0.097                   | 0.097                   | 0.08                           | 0.08                           |
| Suphate as SO <sub>4</sub> , % | 0.52                    | 0.52                    | 0.33                           | 0.33                           |



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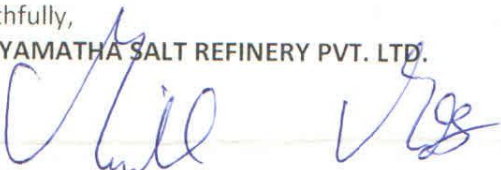
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## Observations :

|             |  |
|-------------|--|
| Trial - I   | Salt turned brown in colour and the container having full of brownish vapour having strong iron smell                                  |
|             | Analysed the Iodine content of salt sample, it was almost zero ppm.  |
|             | Repeated the trial 3 more times, we got the same results.  |
| Trial - II  | The encapsulated ferrous fumerate is crey in colour. When it is mixed with salt, the salt appearance looks dull. Salt odour is normal. |
|             | Analysed the Iodine content of salt sample after 24 hrs, it was 53.4 ppm.  |
| Trial - III | Salt turned brown in colour and the container having full of brownish vapour having strong iron smell                                  |
|             | Analysed the Iodine content of salt sample, it was almost zero ppm.  |
|             | Repeated the trial 3 more times, we got the same results.  |
| Trial - IV  | The encapsulated ferrous fumerate is crey in colour. When it is mixed with salt, the salt appearance looks dull. Salt odour is normal. |
|             | Analysed the Iodine content of salt sample after 24 hrs, it was 44.4 ppm.  |

Thanking you.

Yours Faithfully,  
For SAHAYAMATHA SALT REFINERY PVT. LTD.

  
MICHAEL MOTH  
MANAGING DIRECTOR