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| **Parameter** | IODINE in Nutritional Powder Products | |
| **Reason for Change** | * DTS have implemented a modern test method to test for iodine * DTS would like MG to use the new test method instead of the current test method which is utilising old technology | |
| **Sites/Products Affected** | * 48 nutritional products * FWP, Cobram, Maffra, Rochester, MGN, Koroit | |
| **Transition** | * New test: IODINE (ug/100g) available now * Once all products are transitioned to new method the old method is to be expired | |
| **Advantages** | * The method is approved by SPIFAN (Stakeholder Panel on Infant Formula and Adult Nutrition) * The new method utilises modern instrumentation (ICP-MS) which offer improved accuracy and precision. * The method detects iodine specifically, where the old method detected iodine by association. * The new method offers faster turnaround time (5 d instead of 7 d) which will be of benefit in regards to clearance time | |
| **Risk** | * Keeping the old method as a back-up to minimise the risk. The old method could be used if there is doubt that the new method caused an out of spec result. | |
| **Recommendation** | * I recommend to use the new test method for Iodine * Old Iodine method is to be expired once no longer required | |
|  |  | |
| **Test Method Parameter** | **Old Method** | **New Method** |
| **Reference** | Sup. FSC meth 8.14 | AOAC 2012.15 |
| **Principle** | Colorimetric reaction | ICP-MS |
| **Matrix** | Infant Formula and Nutritional Products | Infant Formula and Nutritional Products |
| **Analytical range** | 1-2200 ug/100g | 1-2200 ug/100g |
| **Expected MU** | 26 | 13 |
| **Price /$** | 82.53 | 82.53 |
| **TAT/working days** | 7 | 5 |
| **Validation status** | New test method has been successfully validated against the old test method. | |