



## Electrolytic Manganese Metal Unstabilised Powder

Commercial Trade Name: Unstabilised Powder (UP)

Size: Various size gradings  
are offered

Example: -60 mesh

| ASTM<br>No | Typical% | Guaranteed<br>Maximum% |
|------------|----------|------------------------|
| +50        | Nil      | Nil                    |
| +60        | 0.6      | 2.0 max                |
| -325       | 12.4     | 25.0 max               |

| Composition    | Guaranteed (%) |     |
|----------------|----------------|-----|
| Mn (metallic)* | 99.9           | min |
| Mn (total)**   | 99.6           | min |
| C              | 0.005          | max |
| S              | 0.04           | max |
| P              | 0.002          | max |
| Si             | 0.01           | max |
| Fe             | 0.02           | max |
| Cu             | 0.002          | max |
| Pb             | 0.001          | max |
| V              | 0.001          | max |
| Ni             | 0.001          | max |
| Co             | 0.001          | max |
| As             | 0.001          | max |
| N              | 0.04           | max |
| H              | 0.002          | max |
| O              | 0.3            | max |

\*Total Manganese on a weight basis excluding  
non metallic elements

\*\*Total Manganese on a total weight basis

Analytical results are reported as averages and in accordance with ISO 31-0

**NOTE: This product is manufactured using a  
selenium free process**

### Packaging

|        |  |
|--------|--|
| 500kg  | steel drums on pallets                                 |
| 1361kg | in bulk in pallet boxes or 22.68kg paper bags          |
| 1000kg | in bulk in pallet boxes or 25kg paper bags             |
| 2000kg | in bulk in pallet boxes or 25kg paper bags             |
| 1000kg | metal in 25kg paper bags stretch wrapped on pallets    |
| 1361kg | metal in 22.68kg paper bags stretch wrapped on pallets |