

STANDARD MILLING PRODUCT LOSSES

| Product | Oil loss to dry matter | Oil loss to wet matter | Moist | Non-oily solids | Free fatty acid | Dirt | DOBI | Fibre/nut |
|--------------------|------------------------|------------------------|---------------|-----------------|-----------------|---------------|-------|-------------|
| Press fibre (%) | 7.00 - 9.00 | 4.00 - 6.00 | 35.00 - 45.00 | 45.00 - 50.00 | - | - | - | 1.00 - 1.50 |
| ST. condensate (%) | 12.00 - 15.00 | 5.00 - 7.00 | 90.00 - 95.00 | 4.00 - 5.00 | - | - | - | - |
| Decanter cake (%) | 12.00 - 15.00 | 4.00 - 6.00 | 5.00 - 6.00 | 90.00 - 5.00 | - | - | - | - |
| CPO production oil | - | - | 0.10 - 0.20 | - | 2.50 - 4.50 | 0.015 - 0.020 | > 2.3 | - |

| Product | Kernel losses | Whole nut | Broken nut | Whole nut | Broken kernel | Moist | Dirt/shell | Free fatty acid | Efficiency | Fibre/nut |
|---------------------------------------|---------------|------------|---------------|---------------|---------------|-------------|-------------|-----------------|------------|-------------|
| Fibre cyclone (%) | 1.00 - 2.00 | - | - | - | - | - | - | - | - | - |
| Low tension dust separator (LTDS) (%) | 2.00 - 3.00 | - | - | - | - | - | - | - | - | - |
| Wet shell (%) | 3.00 - 5.00 | - | - | - | - | - | - | - | - | - |
| Nut cracker | - | 0.5 - 1.00 | 1.00 - 1.50 | 28.00 - 38.00 | 10.00 - 2.00 | - | - | - | 97 - 98 | - |
| Prod kernel | - | - | - | - | - | 6.00 - 7.00 | 5.00 - 6.00 | 2.50 - 3.00 | - | - |
| Polishing drum | - | - | 10.00 - 12.00 | 3.00 - 5.00 | 2.00 - 3.00 | - | - | - | - | 0.50 - 1.00 |

| Product | Fibre/nut | B. nut/t. nut | Free b. kernel | Cracked nuts | Free shell | Oil in wet fibre | Oil in dry fibre | Moisture in fibre | Shell/kernel ratio | Moisture in kernel |
|---------------------|-----------|---------------|----------------|--------------|------------|------------------|------------------|-------------------|--------------------|--------------------|
| Press cake analysis | 1.50 | <10.00 | <1.00 | <10.00 | <1.00 | <5.00 | <8.00 | <45.00 | 1.50 | 21.00 - 22.00 |

Note: DOBI - deterioration of bleachability index.
CPO - crude palm oil.