

Quality Assurance

| SR. NO | COMPONENT & OPERATION | CHARACTERISTIC CHECK | TYPE OF CHECK | QUANTUM OF CHECK | REFERENCE DOCUMENT | FORMAT OF RECORD | AGENCY | INSPECTION | | |
|--------|-------------------------------|-------------------------------------|----------------------|------------------|------------------------------|------------------|--------|------------|---|---|
| | | | | | | | | V | A | C |
| 1 | SHAFT EN-8 | CHEMICAL | LAB ANALYSIS | BATCH | DATA SHEET | LAB INSP REPORT | V | P | R | |
| | | SURFACE DETECT | VISUAL | 100.00% | | | | | | |
| 2 | BEARING HOUSING C1 | CHEMICAL | LAB ANALYSIS | BATCH | DATA SHEET | LAB INSP REPORT | V | P | R | |
| 3 | CASING | CHEMICAL | | BATCH | DATA SHEET | MATL CERT. | V | P | P | |
| 4 | BASE FRAME & FOUNDATION BOLTS | DIMENSION | MEASUREMENT | 100.00% | G.A.DRG. | | V | P | R | |
| 5 | SLEEVE | DIMENSION | MEASUREMENT | 100.00% | DRG | | | P | R | |
| 6 | IMPELLER | | NOTE : | IMPELLERs | ARE | BALANCED | | | R | |
| 7 | MECHANICAL SEAL | | | | DRG | | | P | R | |
| 8 | BEARING | | | | | SKF | | P | R | |
| 10 | FINAL INSP OF PUMP | VISUAL & DIMENSION | VISUAL & MEASUREMENT | 100.00% | ASSEMBLY C/S DRG. | | | | R | |
| 11 | PERFORMANCE TEST | Q VS HEAD Q VS EFF Q VS POWER | RUNNING TEST | 100.00% | TECH SPECS APPVD DATA SHEET. | TEST REPORT | | | R | |
| 12 | STRIP DOWN TEST | UNDUE WEAR TEAR & BREAKAGE | VISUAL | 100.00% | | | | | R | |
| 13 | HYDRO TEST | LEAKAGE | VISUAL | 100.00% | | TEST CERT | | | R | |

Legend:

P- Performed

R-Reviewed

Q- Capacity

V- Vendor

A- Manufactured

C- Client

Note:

1. NPSH Test, Vibration Test, Noise Level Test are under development

2. Hydro test is carried out for casing only for 30 min. at 5 Kg/cm².