**ANNEX 1: DETAILED EXPOSURE CONDITIONS**

1. **Adult fish**

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| Test type: | Static renewal system |
| Room temperature: | ± 30 |
| Water temperature: | 26.81 - 28.20 |
| pH range: | 6.5 – 8.5 |
| Dissolved oxygen range: | 80 – 120% |
| Aeration: | Through plastic tubes |
| Total dissolved solids: | 96 ± 18.13 mg/dl |
| Electric conductivity: | 203 ± 1.87 µS/cm |
| Photoperiod: | 14 hours light / 10 hours dark |
| Test chamber size: | 90 L |
| Test media volume: | 75 L |
| Test media renewal frequency: | Every 96 hours |
| Renewal volume: | ± ¾ of test media |
| Repetitions: | 2 times |
| Test organisms: | *Oreochromis mossambicus* |
| Age of fish: | 11 months old |
| Number of fish per test chamber: | 1 |
| Number of treatment groups: | 5 (control; DMSO; NVP L; NVP H; Mixture 1) |
| Number of fish per group: | Control: 8; DMSO: 8; NVP L: 12; NVP H: 12; Mixture: 12 |
| Feeding regime: | Tilapia grower pellets (1 mm; AVI- Products (Pty) Ltd) 2 times/day |
| Dilution water: | Borehole water |
| Solvent: | DMSO (± 0.003 ml /100 ml water) |
| Exposure duration: | 30 days |
| Endpoints: | Blood parameters (Hb; Hct; Lct); Condition factor (CF); histopathology (liver; kidney; gonads) |