innovation diagnostic chemicals
17B Fota Business Park, Carrigtwohill, Cork T45EY16

PRODUCT SPECIFICATIONS

Product :	**Xanthine oxidase**
Origin :	**Recombinant microorganism**
Code :	**XAN-900**
E.C. Number :	**1.1.3.22**
Nomenclature :	**Xanthine: oxygen oxidoreductase**
Form :	**Reddish brown freeze-dried powder**
Activity :	**≥ 10 u/mg**
Contaminants :	**Catalase ≤ 5 %; Adenosine deaminase ≤ 10^{-3}%; Uricase 10^{-3}%; Phosphatase 10^{-3}%**
Optimum temperature :	**65 °C**
Optimum pH :	**7.5 - 8.0**
Thermal stability :	**below 55 °C**
Unit definition :	**1 unit causes the production of 1 micromole of uric acid/min at 37°C and pH 7.5**
Stability :	**12 months**
Storage :	**-20 °C**