



COMMITTEE FOR VETERINARY MEDICINAL PRODUCTS

HUMAN MENOPAUSAL URINARY GONADOTROPHIN

SUMMARY REPORT

1. Human menopausal urinary gonadotrophin (HMUG) is a naturally occurring gonadotrophin extracted from human urine. It is used for the induction of superovulation in cattle.
2. Classical toxicology studies suggest that the compound has no activity after oral administration but it is active when given parenterally to mammalian species. The compound has FSH and LH effects.
3. In laboratory species and food-producing animals, HMUG is rapidly excreted and metabolised. Oral bioavailability of gonadotrophins is low, and the major metabolites are likely to be naturally occurring aminoacids arising as a result of enzymic breakdown in the gastrointestinal tract.
4. For the above reasons, it is recommended that a maximum residue limit is not required for HMUG, and the compound be entered into Annex II.