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Type of Document:

TECHNICAL DATA SHEET

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6.0

93911-HYDROQUINONE

1. IDENTIFICATION OF THE SUBSTANCE OR PREPARATION

1.1. Identification of the substance or preparation

Name: Hydroquinone

Bulk code: 93911

1.2. Synonyms

Hydrochinonum. Benzene-1,4-diol. Hydroquinol. Paradifenol. Paradihydroxybenzol. Paradioxybenzol. Quinol.

2. DESCRIPTION

Appearance: Prismatic crystals.

Colour: Colourless.

Smell: Odourless.

Darkens when exposed to air and light.

3. COMPOSITION/INFORMATION ON COMPONENTS

Formula: $C_6H_4(OH)_2$

CAS: 123-31-9

Molecular weight: 110.11 g/mol

4. PHYSICO-CHEMICAL DATA

See detailed specifications in analysis report.

Solubility: Soluble in 17 p. water, 4 p. alcohol, 51 p. chloroform, 16 p. ether and 1 p. glycerine.

5. PROPERTIES/USES

ACTIVE PHARMACEUTICAL INGREDIENT

Hydroquinone is a depigmenting agent that acts by interfering with melanin synthesis by inhibiting the tyrosine-tyrosinase-melanin system.

It is used to treat chloasma, melasma, ephelides, senile pigmentation, lentigo, etc.

It is also used in association with keratolytic substances, such as resorcinol, salicylic acid and retinoic acid, and corticosteroids.



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6. DOSAGE

Topically:

- In the form of solutions, creams, ointments and gels, at a concentration of 2–5%, applied 2–3 times a day for a period of 2–6 months, only on intact skin.

All hydroquinone preparations must be protected with antioxidants. The recommendation is for it to be packaged in metal tubes coated inside with resins or opaque bottles.

7. REMARKS

STORAGE:

Store at room temperature ($25\pm 2^{\circ}\text{C}$), in a cool, dry place, away from sunlight, in a hermetically sealed container.

8. BIBLIOGRAPHY

Monografías Farmacéuticas. COF Alicante, 1998.

"Martindale. The Extra Pharmacopoeia". 30th Edition. Ed. The Pharmaceutical Press. London. (1993).