

# CERTIFICATE OF ANALYSIS

(Certificate No. KMA019004-01)

Release Date: 01/01/2025

Re-test Date: 31/12/2027

## Atovaquone EP Impurity B

### Identification

**Chemical Name :**

2-[cis-4-(4-chlorophenyl)cyclohexyl]-3-hydroxynaphthalene-1,4-dione (as per EP) ; cis-2-[4-(4-Chlorophenyl)cyclohexyl]-3-hydroxy-1,4-naphthoquinone (as per USP)

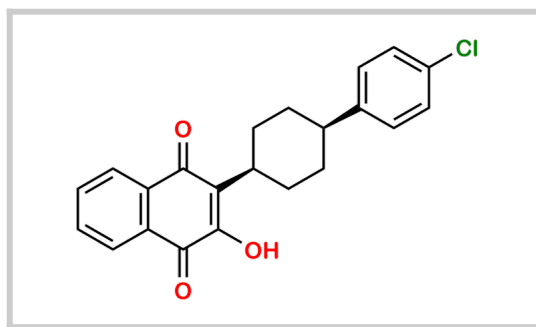
**Alt. Name** : Cis-Atovaquone, Atovaquone USP  
Related Compound A

**CAT No.** : KMA019004

**CAS No.** : 137732-39-9

**Molecular Formula** : C<sub>22</sub>H<sub>19</sub>ClO<sub>3</sub>

**Molecular Weight** : 366.8



### Analytical Information

**Batch No.** : A019004-091

**Description** : Light Yellow Powder

**HPLC Purity** : 99.36 %

**Weight Loss By TGA** : 0.21 %

**% Potency** : 99.15 %

**Solubility** : Acetonitrile

**Mass** : Confirm

**IR** : Confirm

**<sup>1</sup>H NMR** : Confirm

### Additional Information

**Long Term Storage** : Store at 2-8 deg. C for long term storage

**Shipping Condition** : Product is stable to be Shipped at Room Temperature

**% Potency** = [100 - 0.21(Weight Loss By TGA)] x [99.36(HPLC Purity)]/100 = 99.15 %

**Recommendation** : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		01/01/2025
Reviewed & Approved By	Quality Control	Jatin Patel		01/01/2025

**Attachments** : COA, HPLC, MASS, <sup>1</sup>HNMR, IR and TGA