

COCREATE GLOBAL TECHNOLOGIES PRIVATE LIMITED**U21009KA2023PTC179006****Registered address:** FFK Towers, #445, 2nd Floor, 17th Cross Road, Sector 4, HSR Layout, Bangalore, Bangalore South, Karnataka - 560102, India.**Email:** info@scimplify.com**Website:** www.scimplify.com**Long Term Study**

Product	Avobenzone
Temperature	25 ± 2°C
Relative Humidity	60 ± 5%
Duration	5 Years
Packing Condition	Packed in inner white transparent and outer black-colored polythene bags, kept in HDPE containers, and stored in a long-term stability chamber.
Batch No	SCAVB24001
Mfg. Date	March-2024

Test	Specification	Initial Day (20-03-2024)	3rd Month (20-06-2024)	6th Month (03-10-2024)	9th Month	12th Month
Appearance	White to pale yellow powder	Pale yellow powder	Pale yellow powder	Pale yellow powder		
Solubility						
a) In Toluene (20 gm sample in 100 mL Toluene)	Clear, free from foreign particles	Clear, free from foreign particles	Clear, free from foreign particles	Clear, free from foreign particles		
b) In Paraffin (50 gm sample in 50 gm Paraffin)	No foreign particles observed at the bottom of the flask	Foreign particles not observed at the bottom of the flask	Foreign particles not observed at the bottom of the flask	Foreign particles not observed at the bottom of the flask		
Loss on Drying	Not more than 0.50% w/w	0.20%	0.25%	0.24%		
Chromatographic Purity by HPLC						
- Individual Impurity	Not more than 3.0%	1.24%	1.27%	1.36%		
- Sum of Impurities	Not more than 4.5%	1.27%	1.41%	1.42%		

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Product	Avobenzone
Temperature	25 ± 2°C
Relative Humidity	60 ± 5%
Duration	5 Years
Packing Condition	Packed in inner white transparent and outer black-colored polythene bags, kept in HDPE containers, and stored in a long-term stability chamber.
Batch No	SCAVB24002
Mfg. Date	March-2024

Test	Specification	Initial Day (20-03-2024)	3rd Month (20-06-2024)	6th Month (03-10-2024)	9th Month	12th Month
Appearance	White to pale yellow powder	Pale yellow powder	Pale yellow powder	Pale yellow powder		
Solubility						
a) In Toluene (20 gm sample in 100 mL Toluene)	Clear, free from foreign particles	Clear, free from foreign particles	Clear, free from foreign particles	Clear, free from foreign particles		
b) In Paraffin (50 gm sample in 50 gm Paraffin)	No foreign particles observed at the bottom of the flask	Foreign particles not observed at the bottom of the flask	Foreign particles not observed at the bottom of the flask	Foreign particles not observed at the bottom of the flask		
Loss on Drying	Not more than 0.50% w/w	0.26%	0.26%	0.25%		
Chromatographic Purity by HPLC						
- Individual Impurity	Not more than 3.0%	1.33%	1.26%	1.34%		
- Sum of Impurities	Not more than 4.5%	1.35%	1.40%	1.38%		

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Product	Avobenzone
Temperature	25 ± 2°C
Relative Humidity	60 ± 5%
Duration	5 Years
Packing Condition	Packed in inner white transparent and outer black-colored polythene bags, kept in HDPE containers, and stored in a long-term stability chamber.
Batch No	SCAVB24003
Mfg. Date	March-2024

Test	Specification	Initial Day (20-03-2024)	3rd Month (20-06-2024)	6th Month (03-10-2024)	9th Month	12th Month
Appearance	White to pale yellow powder	Pale yellow powder	Pale yellow powder	Pale yellow powder		
Solubility						
a) In Toluene (20 gm sample in 100 mL Toluene)	Clear, free from foreign particles	Clear, free from foreign particles	Clear, free from foreign particles	Clear, free from foreign particles		
b) In Paraffin (50 gm sample in 50 gm Paraffin)	No foreign particles observed at the bottom of the flask	Foreign particles not observed at the bottom of the flask	Foreign particles not observed at the bottom of the flask	Foreign particles not observed at the bottom of the flask		
Loss on Drying	Not more than 0.50% w/w	0.25%	0.22%	0.24%		
Chromatographic Purity by HPLC						
- Individual Impurity	Not more than 3.0%	1.01%	1.23%	1.32%		
- Sum of Impurities	Not more than 4.5%	1.45%	1.42%	1.37%		

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Product	Avobenzone
Temperature	40 ± 2°C
Relative Humidity	75 ± 5%
Duration	6 months
Packing Condition	Packed in inner white transparent and outer black-colored polythene bags, kept in HDPE containers, and stored in a long-term stability chamber.
Batch No	SCAVB24001
Mfg. Date	March-2024

Test	Specification	Initial Day (20-03-2024)	3rd Month (20-06-2024)	6th Month (03-10-2024)
Appearance	White to pale yellow powder	Pale yellow powder	Pale yellow powder	Pale yellow powder
Solubility				
a) In Toluene (20 gm sample in 100 mL Toluene)	Clear, free from foreign particles	Clear, free from foreign particles	Clear, free from foreign particles	Clear, free from foreign particles
b) In Paraffin (50 gm sample in 50 gm Paraffin)	No foreign particles observed at the bottom of the flask	Foreign particles not observed at the bottom of the flask	Foreign particles not observed at the bottom of the flask	Foreign particles not observed at the bottom of the flask
Loss on Drying	Not more than 0.50% w/w	0.20%	0.27%	0.25%
Chromatographic Purity by HPLC				
- Individual Impurity	Not more than 3.0%	1.24%	1.25%	1.31%
- Sum of Impurities	Not more than 4.5%	1.27%	1.43%	1.36%

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Product	Avobenzone
Temperature	40 ± 2°C
Relative Humidity	75 ± 5%
Duration	6 months
Packing Condition	Packed in inner white transparent and outer black-colored polythene bags, kept in HDPE containers, and stored in a long-term stability chamber.
Batch No	SCAVB24002
Mfg. Date	March-2024

Test	Specification	Initial Day (20-03-2024)	3rd Month (20-06-2024)	6th Month (03-10-2024)
Appearance	White to pale yellow powder	Pale yellow powder	Pale yellow powder	Pale yellow powder
Solubility				
a) In Toluene (20 gm sample in 100 mL Toluene)	Clear, free from foreign particles	Clear, free from foreign particles	Clear, free from foreign particles	Clear, free from foreign particles
b) In Paraffin (50 gm sample in 50 gm Paraffin)	No foreign particles observed at the bottom of the flask	Foreign particles not observed at the bottom of the flask	Foreign particles not observed at the bottom of the flask	Foreign particles not observed at the bottom of the flask
Loss on Drying	Not more than 0.50% w/w	0.26%	0.25%	0.26%
Chromatographic Purity by HPLC				
- Individual Impurity	Not more than 3.0%	1.33%	1.42%	1.41%
- Sum of Impurities	Not more than 4.5%	1.35%	1.57%	1.47%

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Relative Humidity	75 ± 5%
Duration	6 months
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Batch No	SCAVB24003
Mfg. Date	March-2024

Test	Specification	Initial Day (20-03-2024)	3rd Month (20-06-2024)	6th Month (03-10-2024)
Appearance	White to pale yellow powder	Pale yellow powder	Pale yellow powder	Pale yellow powder
Solubility				
a) In Toluene (20 gm sample in 100 mL Toluene)	Clear, free from foreign particles	Clear, free from foreign particles	Clear, free from foreign particles	Clear, free from foreign particles
b) In Paraffin (50 gm sample in 50 gm Paraffin)	No foreign particles observed at the bottom of the flask	Foreign particles not observed at the bottom of the flask	Foreign particles not observed at the bottom of the flask	Foreign particles not observed at the bottom of the flask
Loss on Drying	Not more than 0.50% w/w	0.25%	0.28%	0.27%
Chromatographic Purity by HPLC				
- Individual Impurity	Not more than 3.0%	1.01%	1.49%	1.42%
- Sum of Impurities	Not more than 4.5%	1.45%	1.65%	1.47%