

Please note that the certificates of analysis are also conveniently available online and around the clock at www.worldaccount.basf.com

Fax No 00862032066032

GUANGZHOU HONSEA INDUSTRY CO.LTD

NO. 8, YUNCHENG ROAD, YUNPU

510660 GUANGZHOU

China

2014-03-28

EV/T

Francois Maike

Fax +41 61 63 68414

Certificate No 1137

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Certificate of Analysis according to DIN 55350-18-4.2.2

Irganox® 245

2x20KG Carton

Purchase Order/Customer Product#

HS-S-14112-01-37.44T-GZ

Material	56368245
Order	6001987902 000010
Delivery	6201960869 000010
Lot	0010737568
Lot/Qty	2760.000 KG
Total	37440.000 KG
Transport	沪D9632挂/沪D45800

Product specification PS-81 Version 6 effective from: 22-Jan-2007

Analytical Method: KBC-81

Lot: 0010737568

Manufacturing date: 15-Oct-2013

Testing date: 16-Oct-2013

Criteria	Results	Units	Requirements
Appearance	OK		white to off- white powder
Volatiles	0.2	%	<= 0.5
Clarity of solution	OK		clear solution
Color of solution at			
425 nm	99.8	%	>= 93.0
500 nm	100.0	%	>= 95.0
Assay	99.0	%	>= 96.0

Maximum recommended storage time under suitable conditions (dry and cool) beyond testing date: 60 months

The aforementioned data shall constitute the agreed contractual quality of the product at the time of passing of risk. The data are controlled at regular intervals as part of our quality assurance program. Neither these data nor the properties of product specimens shall imply any legally binding guarantee of certain properties or of fitness for a specific purpose. No liability of ours can be derived therefrom.

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Purchase Order/Customer Product#

HS-S-14112-01-37.44T-GZ

Material	56368245
Order	6001987902 000010
Delivery	6201960869 000010
Lot	0010737572
Lot/Qty	3000.000 KG
Total	37440.000 KG
Transport	沪D9632挂/沪D45800

Product specification PS-81 Version 6 effective from: 22-Jan-2007

Analytical Method: KBC-81

Lot: 0010737572

Manufacturing date: 17-Oct-2013

Testing date: 17-Oct-2013

Criteria	Results	Units	Requirements
Appearance	OK		white to off- white powder
Volatiles	0.2	%	<= 0.5
Clarity of solution	OK		clear solution
Color of solution at			
425 nm	99.8	%	>= 93.0
500 nm	100.0	%	>= 95.0
Assay	98.9	%	>= 96.0

Maximum recommended storage time under suitable conditions (dry and cool) beyond testing date: 60 months

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2x20KG Carton

Purchase Order/Customer Product#

HS-S-14112-01-37.44T-GZ

Material	56368245
Order	6001987902 000010
Delivery	6201960869 000010
Lot	0010737573
Lot/Qty	11520.000 KG
Total	37440.000 KG
Transport	沪D9632挂/沪D45800

Product specification PS-81 Version 6 effective from: 22-Jan-2007

Analytical Method: KBC-81

Lot: 0010737573

Manufacturing date: 25-Oct-2013

Testing date: 25-Oct-2013

Criteria	Results	Units	Requirements
Appearance	OK		white to off- white powder
Volatiles	0.2	%	<= 0.5
Clarity of solution	OK		clear solution
Color of solution at			
425 nm	99.6	%	>= 93.0
500 nm	99.8	%	>= 95.0
Assay	99.0	%	>= 96.0

Maximum recommended storage time under suitable conditions (dry and cool) beyond testing date: 60 months

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2x20KG Carton

Purchase Order/Customer Product#

HS-S-14112-01-37.44T-GZ

Material	56368245
Order	6001987902 000010
Delivery	6201960869 000010
Lot	0011077068
Lot/Qty	9600.000 KG
Total	37440.000 KG
Transport	沪D9632挂/沪D45800

Product specification PS-81 Version 6 effective from: 22-Jan-2007

Analytical Method: KBC-81

Lot: 0011077068

Manufacturing date: 22-Oct-2013

Testing date: 22-Oct-2013

Criteria	Results	Units	Requirements
Appearance	OK		white to off- white powder
Volatiles	0.2	%	<= 0.5
Clarity of solution	OK		clear solution
Color of solution at			
425 nm	99.5	%	>= 93.0
500 nm	99.6	%	>= 95.0
Assay	99.0	%	>= 96.0

Maximum recommended storage time under suitable conditions (dry and cool) beyond testing date: 60 months

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2x20KG Carton

Purchase Order/Customer Product#

HS-S-14112-01-37.44T-GZ

Material	56368245
Order	6001987902 000010
Delivery	6201960869 000010
Lot	0011077089
Lot/Qty	4800.000 KG
Total	37440.000 KG
Transport	沪D9632挂/沪D45800

Product specification PS-81 Version 6 effective from: 22-Jan-2007

Analytical Method: KBC-81

Lot: 0011077089

Manufacturing date: 08-Dec-2013

Testing date: 09-Dec-2013

Criteria	Results	Units	Requirements
Appearance	OK		white to off- white powder
Volatiles	0.1	%	<= 0.5
Clarity of solution	OK		clear solution
Color of solution at			
425 nm	99.8	%	>= 93.0
500 nm	99.9	%	>= 95.0
Assay	99.2	%	>= 96.0

Maximum recommended storage time under suitable conditions (dry and cool) beyond testing date: 60 months

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Purchase Order/Customer Product#

HS-S-14112-01-37.44T-GZ

Material	56368245
Order	6001987902 000010
Delivery	6201960869 000010
Lot	0011100238
Lot/Qty	5760.000 KG
Total	37440.000 KG
Transport	沪D9632挂/沪D45800

Product specification PS-81 Version 6 effective from: 22-Jan-2007

Analytical Method: KBC-81

Lot: 0011100238

Manufacturing date: 13-Dec-2013

Testing date: 16-Dec-2013

Criteria	Results	Units	Requirements
Appearance	OK		white to off- white powder
Volatiles	0.2	%	<= 0.5
Clarity of solution	OK		clear solution
Color of solution at			
425 nm	99.8	%	>= 93.0
500 nm	99.9	%	>= 95.0
Assay	98.7	%	>= 96.0

Maximum recommended storage time under suitable conditions (dry and cool) beyond testing date: 60 months

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