

GOLDEN TIME CHEMICAL (JIANG SU) CO., LTD

Dicyclohexylamine Analysis Report

GT/IA26

Standard: Q/320116JCHX01-2013		Standard of sampling:GB/T6680-2003			
Date Of Mfg : 27/10/2014		Unit of sampling:Golden Time Chemical			
Date Of Expiry : 26/10/2015		Place of Sampling:GoldenTime Chemical			
Batch No: D201410030		Sample Quantity: 500ml			
Quantity(t): 8.00		Sample Description: Liquid			
Analysis items	Standard			Actual value	
	Supreme	1 st class	Confroming article		
Appearance	Colorless to light yellow transparent liquid,novisible impurities			Colorless transparent Liquid	
Dicyclohexylamine \geq %	99.00	98.50	98.00	99.68	
Aniline \leq %	0.10	0.20	0.20	0.002	
Cyclohexylamine \leq %	0.10	0.10	0.20	0.002	
Cyclohexanol \leq %	0.10	0.10	0.20	0.009	
Cyclohexane \leq %	0.10	0.10	0.10	0.001	
Dicyclohexylimide \leq %	0.20	0.30	0.30	0.06	
N-cyclohexylaniline \leq %	0.20	0.30	0.30	0.02	
N-cyclohexeneaniline \leq %	0.30	0.40	0.40	0.03	
Moisture content \leq %	0.10	0.30	0.50	0.08	
Chromaticity \leq Hz (Hazen.units)	30	50	80	<30	
Conclusion: Supreme for PO NO. 2014JW0116		Memo: Date Of Test : 27/10/2014			
Analysis: Shu Peng	Check: Dai Li Ping		Approve: Liao Jun		

GOLDEN TIME CHEMICAL (JIANG SU) CO., LTD

Dicyclohexylamine Analysis Report

GT/IA26

Standard: Q/320116JCHX01-2013		Standard of sampling:GB/T6680-2003			
Date Of Mfg : 27/10/2014		Unit of sampling:Golden Time Chemical			
Date Of Expiry : 26/10/2015		Place of Sampling:GoldenTime Chemical			
Batch No: D201410031		Sample Quantity: 500ml			
Quantity(t): 8.64		Sample Description: Liquid			
Analysis items	Standard			Actual value	
	Supreme	1 st class	Confroming article		
Appearance	Colorless to light yellow transparent liquid, novisible impurities			Colorless transparent Liquid	
Dicyclohexylamine \geq %	99.00	98.50	98.00	99.68	
Aniline \leq %	0.10	0.20	0.20	0.002	
Cyclohexylamine \leq %	0.10	0.10	0.20	0.002	
Cyclohexanol \leq %	0.10	0.10	0.20	0.009	
Cyclohexane \leq %	0.10	0.10	0.10	0.001	
Dicyclohexylimide \leq %	0.20	0.30	0.30	0.06	
N-cyclohexylaniline \leq %	0.20	0.30	0.30	0.02	
N-cyclohexeneaniline \leq %	0.30	0.40	0.40	0.03	
Moisture content \leq %	0.10	0.30	0.50	0.08	
Chromaticity \leq Hz (Hazen.units)	30	50	80	<30	
Conclusion: Supreme for PO NO. 32794		Memo: Date Of Test : 27/10/2014			
Analysis: Deng Xiao	Check: Dai Li Ping		Approve: Liao Jun		

GOLDEN TIME CHEMICAL (JIANG SU) CO., LTD

Dicyclohexylamine Analysis Report

GT/IA26

Standard: Q/320116JCHX01-2013		Standard of sampling:GB/T6680-2003			
Date Of Mfg : 14/10/2014		Unit of sampling:Golden Time Chemical			
Date Of Expiry : 13/10/2015		Place of Sampling:GoldenTime Chemical			
Batch No: D201410014		Sample Quantity: 500ml			
Quantity(t): 14.40		Sample Description: Liquid			
Analysis items	Standard			Actual value	
	Supreme	1 st class	Confroming article		
Appearance	Colorless to light yellow transparent liquid, novisible impurities			Colorless transparent Liquid	
Dicyclohexylamine \geq %	99.00	98.50	98.00	99.57	
Aniline \leq %	0.10	0.20	0.20	0.001	
Cyclohexylamine \leq %	0.10	0.10	0.20	0.001	
Cyclohexanol \leq %	0.10	0.10	0.20	0.006	
Cyclohexane \leq %	0.10	0.10	0.10	0.001	
Dicyclohexylimide \leq %	0.20	0.30	0.30	0.15	
N-cyclohexylaniline \leq %	0.20	0.30	0.30	0.01	
N-cyclohexeneaniline \leq %	0.30	0.40	0.40	0.17	
Moisture content \leq %	0.10	0.30	0.50	0.04	
Chromaticity \leq Hz (Hazen.units)	30	50	80	<30	
Conclusion: Supreme for PO NO.APP140877		Memo: Date Of Test : 14/10/2014			
Analysis: Deng Xiao	Check: Dai Li Ping		Approve: Liao Jun		

GOLDEN TIME CHEMICAL (JIANG SU) CO., LTD

Dicyclohexylamine Analysis Report

GT/IA26

Standard: Q/320116JCHX01-2013		Standard of sampling:GB/T6680-2003			
Date Of Mfg : 14/10/2014		Unit of sampling:Golden Time Chemical			
Date Of Expiry : 13/10/2015		Place of Sampling:GoldenTime Chemical			
Batch No: D201410015		Sample Quantity: 500ml			
Quantity(t): 14.40		Sample Description: Liquid			
Analysis items	Standard			Actual value	
	Supreme	1 st class	Confroming article		
Appearance	Colorless to light yellow transparent liquid,novisible impurities			Colorless transparent Liquid	
Dicyclohexylamine \geq %	99.00	98.50	98.00	99.57	
Aniline \leq %	0.10	0.20	0.20	0.001	
Cyclohexylamine \leq %	0.10	0.10	0.20	0.001	
Cyclohexanol \leq %	0.10	0.10	0.20	0.006	
Cyclohexane \leq %	0.10	0.10	0.10	0.001	
Dicyclohexylimide \leq %	0.20	0.30	0.30	0.15	
N-cyclohexylaniline \leq %	0.20	0.30	0.30	0.01	
N-cyclohexeneaniline \leq %	0.30	0.40	0.40	0.17	
Moisture content \leq %	0.10	0.30	0.50	0.04	
Chromaticity \leq Hz (Hazen.units)	30	50	80	<30	
Conclusion: Supreme for PO NO. APP140912		Memo: Date Of Test : 14/10/2014			
Analysis: Deng Xiao	Check: Dai Li Ping		Approve: Liao Jun		

GOLDEN TIME CHEMICAL (JIANG SU) CO., LTD

Dicyclohexylamine Analysis Report

GT/IA26

Standard: Q/320116JCHX01-2013		Standard of sampling:GB/T6680-2003			
Date Of Mfg : 11/10/2014		Unit of sampling:Golden Time Chemical			
Date Of Expiry : 10/10/2015		Place of Sampling:GoldenTime Chemical			
Batch No: D201410012		Sample Quantity: 500ml			
Quantity(t): 14.40		Sample Description: Liquid			
Analysis items	Standard			Actual value	
	Supreme	1 st class	Confroming article		
Appearance	Colorless to light yellow transparent liquid,novisible impurities			Colorless transparent Liquid	
Dicyclohexylamine \geq %	99.00	98.50	98.00	99.71	
Aniline \leq %	0.10	0.20	0.20	0.002	
Cyclohexylamine \leq %	0.10	0.10	0.20	0.003	
Cyclohexanol \leq %	0.10	0.10	0.20	0.001	
Cyclohexane \leq %	0.10	0.10	0.10	0.001	
Dicyclohexylimide \leq %	0.20	0.30	0.30	0.09	
N-cyclohexylaniline \leq %	0.20	0.30	0.30	0.003	
N-cyclohexeneaniline \leq %	0.30	0.40	0.40	0.13	
Moisture content \leq %	0.10	0.30	0.50	0.03	
Chromaticity \leq Hz (Hazen.units)	30	50	80	<30	
Conclusion: Supreme for PO NO. APP140876		Memo: Date Of Test : 11/10/2014			
Analysis: Deng Xiao	Check: Dai Li Ping		Approve: Liao Jun		

GOLDEN TIME CHEMICAL (JIANG SU) CO., LTD

Dicyclohexylamine Analysis Report

GT/IA26

Standard: Q/320116JCHX01-2013		Standard of sampling:GB/T6680-2003			
Date Of Mfg : 21/10/2014		Unit of sampling:Golden Time Chemical			
Date Of Expiry : 20/10/2015		Place of Sampling:GoldenTime Chemical			
Batch No: D201410022		Sample Quantity: 500ml			
Quantity(t): 16.2		Sample Description: Liquid			
Analysis items	Standard			Actual value	
	Supreme	1 st class	Confroming article		
Appearance	Colorless to light yellow transparent liquid, novisible impurities			Colorless transparent Liquid	
Dicyclohexylamine \geq %	99.00	98.50	98.00	99.74	
Aniline \leq %	0.10	0.20	0.20	0.002	
Cyclohexylamine \leq %	0.10	0.10	0.20	0.002	
Cyclohexanol \leq %	0.10	0.10	0.20	0.004	
Cyclohexane \leq %	0.10	0.10	0.10	0.001	
Dicyclohexylimide \leq %	0.20	0.30	0.30	0.07	
N-cyclohexylaniline \leq %	0.20	0.30	0.30	0.02	
N-cyclohexeneaniline \leq %	0.30	0.40	0.40	0.09	
Moisture content \leq %	0.10	0.30	0.50	0.03	
Chromaticity \leq Hz (Hazen.units)	30	50	80	<30	
Conclusion: Supreme for PO NO. APP140929		Memo: Date Of Test : 21/10/2014			
Analysis: Deng Xiao	Check: Dai Li Ping		Approve: Liao Jun		

GOLDEN TIME CHEMICAL (JIANG SU) CO., LTD

Dicyclohexylamine Analysis Report

GT/IA26

Standard: Q/320116JCHX01-2013		Standard of sampling:GB/T6680-2003			
Date Of Mfg : 10/10/2014		Unit of sampling:Golden Time Chemical			
Date Of Expiry : 09/10/2015		Place of Sampling:GoldenTime Chemical			
Batch No: D201410007		Sample Quantity: 500ml			
Quantity(t): 28.8		Sample Description: Liquid			
Analysis items	Standard			Actual value	
	Supreme	1 st class	Confroming article		
Appearance	Colorless to light yellow transparent liquid,novisible impurities			Colorless transparent Liquid	
Dicyclohexylamine \geq %	99.00	98.50	98.00	99.72	
Aniline \leq %	0.10	0.20	0.20	0.004	
Cyclohexylamine \leq %	0.10	0.10	0.20	0.01	
Cyclohexanol \leq %	0.10	0.10	0.20	0.01	
Cyclohexane \leq %	0.10	0.10	0.10	0.001	
Dicyclohexylimide \leq %	0.20	0.30	0.30	0.12	
N-cyclohexylaniline \leq %	0.20	0.30	0.30	0.01	
N-cyclohexeneaniline \leq %	0.30	0.40	0.40	0.06	
Moisture content \leq %	0.10	0.30	0.50	0.04	
Chromaticity \leq Hz (Hazen.units)	30	50	80	<30	
Conclusion: Supreme for PO NO. 2014JW0110		Memo: Date Of Test : 10/10/2014			
Analysis: Deng Xiao	Check: Dai Li Ping		Approve: Liao Jun		

GOLDEN TIME CHEMICAL (JIANG SU) CO., LTD

Dicyclohexylamine Analysis Report

GT/IA26

Standard: Q/320116JCHX01-2013		Standard of sampling:GB/T6680-2003			
Date Of Mfg : 21/10/2014		Unit of sampling:Golden Time Chemical			
Date Of Expiry : 20/10/2015		Place of Sampling:GoldenTime Chemical			
Batch No: D201410024		Sample Quantity: 500ml			
Quantity(t): 20		Sample Description: Liquid			
Analysis items	Standard			Actual value	
	Supreme	1 st class	Confroming article		
Appearance	Colorless to light yellow transparent liquid, novisible impurities			Colorless transparent Liquid	
Dicyclohexylamine \geq %	99.00	98.50	98.00	99.73	
Aniline \leq %	0.10	0.20	0.20	0.004	
Cyclohexylamine \leq %	0.10	0.10	0.20	0.002	
Cyclohexanol \leq %	0.10	0.10	0.20	0.009	
Cyclohexane \leq %	0.10	0.10	0.10	0.001	
Dicyclohexylimide \leq %	0.20	0.30	0.30	0.08	
N-cyclohexylaniline \leq %	0.20	0.30	0.30	0.02	
N-cyclohexencaniline \leq %	0.30	0.40	0.40	0.10	
Moisture content \leq %	0.10	0.30	0.50	0.05	
Chromaticity \leq Hz (Hazen.units)	30	50	80	<30	
Conclusion: Supreme for PO NO. ST0909609		Memo: Date Of Test : 21/10/2014			
Analysis: Shu Peng	Check: Dai Li Ping		Approve: Liao Jun		

GOLDEN TIME CHEMICAL (JIANG SU) CO., LTD

Dicyclohexylamine Analysis Report

GT/IA26

Standard: Q/320116JCHX01-2013		Standard of sampling:GB/T6680-2003			
Date Of Mfg : 21/10/2014		Unit of sampling:Golden Time Chemical			
Date Of Expiry : 20/10/2015		Place of Sampling:GoldenTime Chemical			
Batch No: D201410020		Sample Quantity: 500ml			
Quantity(t): 14.40		Sample Description: Liquid			
Analysis items	Standard			Actual value	
	Supreme	1 st class	Confroming article		
Appearance	Colorless to light yellow transparent liquid, novisible impurities			Colorless transparent Liquid	
Dicyclohexylamine \geq %	99.00	98.50	98.00	99.74	
Aniline \leq %	0.10	0.20	0.20	0.002	
Cyclohexylamine \leq %	0.10	0.10	0.20	0.002	
Cyclohexanol \leq %	0.10	0.10	0.20	0.004	
Cyclohexane \leq %	0.10	0.10	0.10	0.001	
Dicyclohexylimide \leq %	0.20	0.30	0.30	0.07	
N-cyclohexylaniline \leq %	0.20	0.30	0.30	0.02	
N-cyclohexeneaniline \leq %	0.30	0.40	0.40	0.09	
Moisture content \leq %	0.10	0.30	0.50	0.05	
Chromaticity \leq Hz (Hazen.units)	30	50	80	<30	
Conclusion: Supreme for PO NO. APP140878		Memo: Date Of Test : 21/10/2014			
Analysis: Deng Xiao	Check: Dai Li Ping		Approve: Liao Jun		

GOLDEN TIME CHEMICAL (JIANG SU) CO., LTD

Dicyclohexylamine Analysis Report

GT/IA26

Standard: Q/320116JCHX01-2013		Standard of sampling:GB/T6680-2003			
Date Of Mfg : 27/10/2014		Unit of sampling:Golden Time Chemical			
Date Of Expiry : 26/10/2015		Place of Sampling:GoldenTime Chemical			
Batch No: D201410032		Sample Quantity: 500ml			
Quantity(t): 12.96		Sample Description: Liquid			
Analysis items	Standard			Actual value	
	Supreme	1 st class	Confroming article		
Appearance	Colorless to light yellow transparent liquid,novisible impurities			Colorless transparent Liquid	
Dicyclohexylamine \geq %	99.00	98.50	98.00	99.68	
Aniline \leq %	0.10	0.20	0.20	0.002	
Cyclohexylamine \leq %	0.10	0.10	0.20	0.002	
Cyclohexanol \leq %	0.10	0.10	0.20	0.009	
Cyclohexane \leq %	0.10	0.10	0.10	0.001	
Dicyclohexylimide \leq %	0.20	0.30	0.30	0.06	
N-cyclohexylaniline \leq %	0.20	0.30	0.30	0.02	
N-cyclohexeneaniline \leq %	0.30	0.40	0.40	0.03	
Moisture content \leq %	0.10	0.30	0.50	0.08	
Chromaticity \leq Hz (Hazen.units)	30	50	80	<30	
Conclusion: Supreme for PO NO. 32796		Memo: Date Of Test : 27/10/2014			
Analysis: Deng Xiao	Check: Dai Li Ping		Approve: Liao Jun		