

PT. DUA KUDA INDONESIA

Dua Kuda

Kawasan Berikat Nusantara, Jl. Madiun Blok C.2-11 - C2-13,
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Tel. 021-44853559 44852388 Fax. 021-44853640 44853616

142/F01-QCD/V/2018

CERTIFICATE OF ANALYSIS

Date: 2018-05-21

Product Name	Glycerin	Model	G997
Description of Goods	Refined Glycerine 99.7 PCT	Manufacturer Date	2018-05-18
Invoice No.	DKARYK 18/05/180	Batch No./Lot No.	051823
		Expire Date	2019-05-18
Container No.	CRXU 8637225	Quantity	24 MTS

INSPECTION ITEM	STANDARD	RESULT
Exterior	Transparant without suspended solids	Transparant without suspended solids
Smell	No Odor	No Odor
Colour , Hazen	≤ 10	4.8
Glycerol Content , %	≥ 99.7	99.91
Density , g /ml	≥ 1.2603	1.2608
Sulfated Ash, %	≤ 0.01	0.002
Acidity, mmol /100 g	≤ 0.1	0.03
Saponification equivalent, mmol/100 g	≤ 1.0	0.48
Conclusion	PASS	

Analyst

Checked

Approved

(Fitriyana)

(Thyka)

(She Rong)



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055/F01-QCD/V/2018

CERTIFICATE OF ANALYSIS

Date: 2018-05-08

Product Name	Glycerine	Model	G997
Description of Goods	Refined Glycerine 99.7% min	Manufacturer Date	2018-05-02
Invoice No.	DKICTJ 18/05/048	Batch No./Lot No.	050224
		Expire Date	2019-05-02
Container No.	GIPU 2077620	Quantity	20 MTS

INSPECTION ITEM	STANDARD	RESULT
Exterior	Transparant without suspended solids	Transparant without suspended solids
Smell	No Odor	No Odor
Colour , Hazen	≤ 10	5.7
Glycerol Content , %	≥ 99.7	99.90
Density , g /ml	≥ 1.2603	1.2608
Sulfated Ash, %	≤ 0.01	0.002
Acidity, mmol /100 g	≤ 0.1	0.03
Saponification equivalent, mmol/100 g	≤ 1.0	0.36
Conclusion	PASS	

Analyst

Fitriyana

(Fitriyana)

Checked

Thyka

(Thyka)

Approved

She Rong

(She Rong)



AS-5292

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234/F01-QCD/IV/2018

CERTIFICATE OF ANALYSIS

Date: 2018-04-28

Product Name	Glycerin	Model	G997
Description of Goods	Refined Glycerine 99.7 PCT	Manufacturer Date	2018-04-19
Invoice No.	DKARNG 18/04/280	Batch No./Lot No.	041921
		Expire Date	2019-04-19
Container No.	SITU 2852214	Quantity	20 MTS

INSPECTION ITEM	STANDARD	RESULT
Exterior	Transparant without suspended solids	Transparant without suspended solids
Smell	No Odor	No Odor
Colour , Hazen	≤10	5.6
Glycerol Content , %	≥99.7	99.87
Density , g/ml	≥1.2603	1.2607
Sulfated Ash, %	≤0.01	0.002
Acidity, mmol /100 g	≤0.1	0.03
Saponification equivalent, mmol/100 g	≤1.0	0.23
Conclusion	PASS	

Analyst

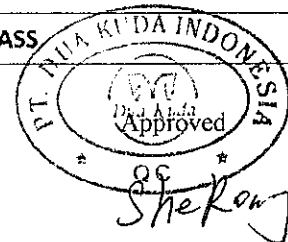
Hendri

(Hendri)

Checked

Thyka

(Thyka)



(She Rong)

CERTIFICATE OF ANALYSIS

Date: 2018-04-11

Product Name	Glycerine	Model	G997
Description of Goods	Glycerine 99.7% min	Manufacturer Date	2018-03-27
Invoice No.	DKSCLT 18/03/071	Batch No./Lot No.	032721
		Expire Date	2019-03-27
Container No.	GLDU 9417320	Quantity	20 MTS

INSPECTION ITEM	STANDARD	RESULT
Exterior	Transparant without suspended solids	Transparant without suspended solids
Smell	No Odor	No Odor
Colour , Hazen	≤10	6.4
Glycerol Content , %	≥99.7	99.90
Density , g /ml	≥1.2603	1.2608
Sulfated Ash, %	≤0.01	0.002
Acidity, mmol /100 g	≤0.1	0.02
Saponification equivalent, mmol/100 g	≤1.0	0.34
Conclusion	PASS	

Analyst

Suhartini

(Suhartini)

Checked

Thyka

(Thyka)

Approved

She Rong

(She Rong)



AS-5213



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208/F01-QCD/III/2018

CERTIFICATE OF ANALYSIS

Date: 2018-03-27

Product Name	Glycerine	Model	G997
Description of Goods	Refined Glycerine 99.7%	Manufacturer Date	2018-03-22
Invoice No.	DKARYK 18/03/161	Batch No./Lot No.	032221
		Expire Date	2019-03-22
Container No.	DKOU 2404606	Quantity	20 MTS

INSPECTION ITEM	STANDARD	RESULT
Exterior	Transparant without suspended solids	Transparant without suspended solids
Smell	No Odor	No Odor
Colour , Hazen	≤10	9.8
Glycerol Content , %	≥99.7	99.91
Density , g /ml	≥1.2603	1.2608
Sulfated Ash, %	≤0.01	0.002
Acidity, mmol /100 g	≤0.1	0.03
Saponification equivalent, mmol/100 g	≤1.0	0.35
Conclusion	PASS	

Analyst

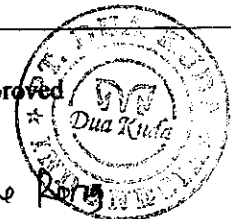
Adji
(Adji)

Checked

Thyka
(Thyka)

Approved

She Rong
(She Rong)



AS-5221



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193/F01-QCD/III/2018

CERTIFICATE OF ANALYSIS

Date: 2018-03-26

Product Name	Glycerine	Model	G997
Description of Goods	Refined Glycerine 99.7%	Manufacturer Date	2018-03-14
Invoice No.	DKARTJ 18/03/209	Batch No./Lot No.	031421, 030221
		Expire Date	2019-03-14
Container No.	SMCU 2008742 CAIU 2949425	Quantity	40 MTS

INSPECTION ITEM	STANDARD	RESULT
Exterior	Transparant without suspended solids	Transparant without suspended solids
Smell	No Odor	No Odor
Colour , Hazen	≤10	9.2
Glycerol Content , %	≥99.7	99.93
Density , g /ml	≥1.2603	1.2609
Sulfated Ash, %	≤0.01	0.002
Acidity, mmol /100 g	≤0.1	0.03
Saponification equivalent, mmol/100 g	≤1.0	0.46
Conclusion	PASS	

Analyst

Hendri

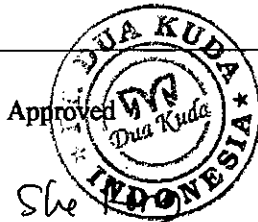
(Hendri)

Checked

Thyka

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Approved



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(She Rong)

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087/F01-QCD/II/2018

CERTIFICATE OF ANALYSIS

Date: 2018-02-13

Product Name	Glycerine	Model	G997
Description of Goods	Refined Glycerine 99.7%	Manufacturer Date	2018-02-04
Invoice No.	DKARNG 18/02/072	Batch No./Lot No.	020424
		Expire Date	2019-02-04
Container No.	CXDU 2285135	Quantity	20 MTS

INSPECTION ITEM	STANDARD	RESULT
Exterior	Transparant without suspended solids	Transparant without suspended solids
Smell	No Odor	No Odor
Colour , Hazen	≤10	8.7
Glycerol Content , %	≥99.7	99.90
Density , g /ml	≥1.2603	1.2608
Sulfated Ash, %	≤0.01	0.002
Acidity, mmol /100 g	≤0.1	0.03
Saponification equivalent, mmol/100 g	≤1.0	0.54
Conclusion	PASS	

Analyst

Fajar
(Fajar)

Checked

Thyca
(Thyca)

Approved

She Rong
(She Rong)



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194/F01-QCD/I/2018

CERTIFICATE OF ANALYSIS

Date: 2018-01-27

Product Name	Glycerin	Model	G997
Description of Goods	Refined Glycerin 99.7% Min	Manufacturer Date	2018-02-19
Invoice No.	DKARNG 18/02/200	Batch No./Lot No.	021913
		Expire Date	2019-02-19
Container No.	TEMU 1551370	Quantity	20 MTS

INSPECTION ITEM	STANDARD	RESULT
Exterior	Transparant without suspended solids	Transparant without suspended solids
Smell	No Odor	No Odor
Colour, Hazen	≤10	8.5
Glycerol Content, %	≥99.7	99.87
Density, g/ml	≥1.2603	1.2607
Sulfated Ash, %	≤0.01	0.002
Acidity, mmol /100 g	≤0.1	0.03
Saponification equivalent, mmol/100 g	≤1.0	0.33
Conclusion	PASS	

Analyst

(Hendri)

Checked

(Thyka)

Approved

(She Rong)

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167/F01-QCD/1/2018

CERTIFICATE OF ANALYSIS

Date: 2018-01-25

Product Name	Glycerin	Model	G997
Description of Goods	Glycerin	Manufacturer Date	2018-01-10
Invoice No.	DKARJT 18/01/093	Batch No./Lot No.	011024
		Expire Date	2019-01-10
Container No.	BEAU 2345164	Quantity	MTS

INSPECTION ITEM	STANDARD	RESULT
Exterior	Transparant without suspended solids	Transparant without suspended solids
Smell	No Odor	No Odor
Colour, Hazen	≤ 10	8.0
Glycerol Content, %	≥ 99.7	99.82
Density, g/ml	≥ 1.2603	1.2606
Sulfated Ash, %	≤ 0.01	0.002
Acidity, mmol/100 g	≤ 0.1	0.02
Saponification equivalent, mmol/100 g	≤ 1.0	0.40
Conclusion	PASS	

Analyst

Checked

Approved

(Adji)

(Thyka)



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115/F01-QCD/IX/2017

CERTIFICATE OF ANALYSIS

Date: 2017-09-08

Product Name	Glycerin	Model	G997
Description of Goods	Glycerin	Manufacturer Date	2017-09-08
Invoice No.	DKARNG 17/09/092	Lot No.	090823/090821
		Expire Date	2018-09-08
Container No.	TEMU 5680689	Quantity	20 MTS

INSPECTION ITEM	STANDARD	RESULT
Exterior	Transparant without suspended solids	Transparant without suspended solids
Smell	No Odor	No Odor
Colour , Hazen	≤10	9.9
Glycerol Content , %	≥99.7	99.85
Density , g /ml	≥1.2603	1.2607
Sulfated Ash, %	≤0.01	0.002
Acidity, mmol /100 g	≤0.1	0.03
Saponification equivalent, mmol/100 g	≤1.0	0.92
Conclusion	PASS	

Analyst

(Irwan)

Checked

(Thyka)

Approved

(Mao Yuan Qi)