

Acme Protective Solutions Pvt.Ltd.
K-1 & 2, Jai Bhagwan Industrial complex Building
Behind Preeti Petrol Pump, Village Purna,
Thane Bhiwandi Road
421302 BHIWANDI, DIST. THANE. MAHARASTHRA
INDIA

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Certification Body Personal Protective Equipment
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Client no.	Contact person	Our ref.	Date
1003700	Claudia Maier	mai	03. March 2015

PRODUCT CERTIFICATE REPORT NO. 14.1.72.0069

Client: Acme Protective Solutions Pvt.Ltd.
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Behind Preeti Petrol Pump, Village Purna,
Thane Bhiwandi Road
421302 BHIWANDI, DIST. THANE. MAHARASTHRA
INDIA

**Reference no. or
contact person:** Mr Nitin Tiwari
Phone: +91 98 2625 0327
Fax:

Date of Application: 19.09.2014

Manufacturer: Acme Protective Solutions Pvt. Ltd

**Personal Protective
Equipment:** Jacket and trousers with protection against rain, article Acme Rain Suit -1001
Outer material: Woven fabric 100% polyamide coated with PVC, colour blue
(article Butterfly)

Intended use: Protective clothing with protection against rain

Basis of validation: Annex 1: Used materials and documents relating to tests carried out
Annex 2: Construction, design, ergonomics
Annex 3: Marking and manufacturer information

The Product Certificate Report comprises 4 pages.



Zentralstelle der Länder für Sicherheitstechnik
Notified Body 0555 for Personal Protective Equipment

BASIS FOR VALIDATION

The description of examination sample, used materials with documents to the passed tests and marking with manufacturer information are documented in the enclosures 1 to 3 to the certificate report.

PROPERTIES AND TEST METHODES / REQUIREMENT AND EVALUATION

Tests and evaluation based on the Directive 89/686/EWG related to
DIN EN 343:2010-05 (EN 343:2003+A1:2007+AC:2009) - Protective clothing - Protection against rain - and
DIN EN ISO 13688:2013-12 (ISO 13688:2013) - Protective clothing - General requirements -


Outer material:

Property Testing standard according to required standard	Requirements	Actual value		Evaluation	Document no. see annex 1
DIN EN 343					
Resistance to water penetration EN 20811:1992					
of seams new state, DIN EN 343:2010, Abs.5.1.2	Class 1: Seam and surface in new state: ≥8000Pa Class 2: ≥8000Pa Class 3: ≥13000Pa	5x≥13000Pa		Class 1 pass	1_0
of surface in new state (only for class 1)		5x≥13000Pa			
of surface after pretreatment EN ISO 6330:2001, 5x40 °C, drying procedure A		5x≥8000Pa			
of surface after abrasion DIN EN 343:2010, Abs.5.1.3.3		5x≥13000Pa			
of surface after repeated flexing DIN EN 343:2010, Abs.5.1.3.4		3x≤8000Pa 1x12000Pa			
of surface after influence of fuel and oil, DIN EN 343:2010, Abs.5.1.3.5		3x≥13000Pa 1x≤8000Pa			
Water vapour resistance: EN 31092:1994	Class 1: R _{et} >40m ² xPa/W Class 2: 20<R _{et} ≤40m ² xPa /W Class 3: R _{et} ≤20m ² xPa/W	1970m ² xPa/W		Class 1 pass	1
Tensile strength EN ISO 1421, method 1	≥100N	Warp: 609N	Weft: 635N	pass	1_0
Tear strength ISO 4674:2003, Verfahren A1	≥20N	Tear of warp: 30,9N	Tear of weft: 55,1N	pass	1_0
Dimensional change EN ISO 5077:2008 EN ISO 3759:2008 EN ISO 6330:2001, 5x40 °C, drying procedure A	±3%	Length: -0,7%	Width: -1,0%	pass	1
Tensile strength of seam EN ISO 13935-2:1999	≥225N	438		pass	1

Innocuousness: Outer material, thread, cord, zipper

Property Testing standard according to required standard	Requirements	Evaluation	Document no. see annex 1
DIN EN ISO 13688			
pH-value ISO 3071:2005	3,3<pH<9,5	pass	2
Amines derived from azo dyestuffs EN 14362-1:2012	n.d.	pass	
Release of nickel from products intended to come into direct and prolonged contact with the skin; items made from metal EN 1811:2011+AC:2012	<0,5µg/cm ² /week	not relevant	

Garment:

Testing standard according to required standard	Requirements	Actual value	Evaluation	Annex no.
Ergonomics EN ISO 13688:2013, part. 4.4	Ergonomic properties	--	pass	Annex 2
Sizes EN ISO 13688:2013, part. 6	Ready-made measures with the attributed body measures	--	--	deposited
Marking EN ISO 13688:2013, part. 7 DIN EN 343:2010-05, part 7	Identification label	--	pass	Annex 3
Information supplied by the manufacturer EN ISO 13688:2013, part. 8 DIN EN 343:2010-05, part 8	Manufacturer information	--	pass	Annex 3
Possible care labeling EN ISO 13688:2013, part. 7.2 DIN EN 343:2010-05, part 7	 <p>A labeling with lower stress lies in the decision of the manufacturer.</p>			

ASSESSMENT / SUITABILITY / EC-CONFORMITY

The technical documentation submitted by the manufacturer in accordance with Annex III of the Directive 89/686/EC was examined. Compliance with the Directive is confirmed.

The evaluation of the test results and the classifications were performed according to test methods and requirements of
DIN EN 343:2010-05 (EN 343:2003+A1:2007+AC:2009) - Protective clothing – Protection against rain - and
DIN EN ISO 13688:2013-12 (ISO 13688:2013) - Protective clothing - General requirements -.

The following pictogram shall be attached to the PPE:



EN 343

X 1

Y 1

This product certificate report is valid in connection with the Product Certificate 14.1.72.0069 as proof that the tested models fulfill the basic requirements of the Directive 89/686/EEC, Annex II, and are suitable for use as protective clothing with protection against rain in the performance classes stated in the product certificate report.

Schloss Hohenstein, 03. March 2015

Director of the Institute
CEO

Prof. Dr. Stefan Mecheels



Assistant Head of Certification Body
Personal Protective Equipment

Dipl.-Ing. (FH) Claudia Maier

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