

# Technical Requirement for Environmental Products

## The Certificable Technical Requirement for Environmental Labelling Products

### Moth Resistant Woolens

HJBZ 11—1996

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#### 1 Scope

This technical requirement specifies definition, basic requirements, technical contents and test method for environmental labelling products of moth resistant woolens.

This technical requirement shall apply to textile containing various proportion of animal fibre and its mixed spinning textile.

#### 2 Standards cited

Provisions in the following standards are cited in this technical requirement, and therefore form the provisions in this standard. They have the same effectiveness as the technical requirement itself.

IWS E10 Specification of moth resistant of International Wool Secretariat

FZ/T 20003—91 Chemical analysis method of detecting moth resistant agent content in woolens

In case of the criteria above are revised, the latest version should be applied.

#### 3 Basic requirements

3.1 Quality of products shall conform with requirement of relevant product quality standard.

3.2 Pollutant emission of the company should be obliged to conform with pollutant emission standards nationally or locally.

#### 4 Technical contents

4.1 Products should use moth resistant agents, while the agents should be those listed within the table of IWS E10 (see annex A) or table B1 of FZ/T 20003 (see annex B).

4.2 The lowest residue level of moth resistant agents in product should meet the requirement of relevant specification in table of IWS E10 or table B1 in FZ/T20003.

#### 5 Test

Methods specified in FZ/T 20003—91 should be adopted to detect residue level of moth resistant agents.

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#### Annotations:

This technical requirement has been prepared by Department of Science, Technology and Standards of State Environment Protection Administration.

The State Environment Protection Administration keeps the right of interpretation for this technical requirement.

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## Annex A (annex of the standard)

## Moth resistant agents specification sheet of IWS E10

Moth resistant agent	Manufacturer	Grade 1	Grade 2	Grade 3	Grade 4	Grade 5	Specification requirement
Antitarma NTC	Dalton	0.050	0.050	0.107	0.107	0.107	After the stability test of IWS TM28, the lowest percentage content of moth resistant agent in products%(W/W)
Antitarma NTC/60	Dalton	0.083	0.083	0.179	0.179	0.179	
Eulan ETS	Bayer	0.035	0.035	0.075	0.075	0.075	
Eulan SPA	Bayer	0.035	0.035	0.075	0.075	0.075	
Eulan WBP	Bayer	0.035	0.035	0.075	0.075	0.075	
JF-86	CJCAF	0.060	0.060	0.129	0.129	0.129	
JF-86NEW	CJCAF	0.030	0.030	0.065	0.065	0.065	
Mitin AL	Ciba-Geigy	0.055	0.055	0.059	0.0825	0.0825	
Mitin BC	Ciba-Geigy	0.029	0.029	0.062	0.062	0.062	
Mitin FF(HC)	Ciba-Geigy	0.400	n.s	0.400	0.400	n.s	
Mitin N Liquid	Ciba-Geigy	0.480	n.s	0.480	0.480	n.s	
Perigen	Wellcome	0.029	0.029	0.062	0.062	0.062	
Pthrin	Rudolf(Aust.)	0.031	0.031	0.067	0.067	0.067	
Pythrin WB	Rudolf(Aust.)	0.034	0.034	0.073	0.073	0.073	
SMA-V	Vickers	0.015	0.015	0.033	0.033	0.033	

n.s:Not suitable to listed moth resistant agents

## Annex B (Annex of the standard)

## Specification sheet of moth resistant in FZ/T20003 - 91

Specification requirement	Moth resistant agent	Manufacturer	Grade 1	Grade 2	Grade 3	Grade 4	Grade 5
After the stability test of washing/illumination, the lowest percentage content of moth resistant agent remained in products%(W/W)	Antitarma NTC	Dalton	0.050	0.050	0.105	0.105	0.105
	Antitarma NTC/s	Dalton	0.053	0.053	0.113	0.113	0.113
	Antitarma NTC/60	Dalton	0.078	0.078	0.165	0.165	0.165
	Eulan SPN	Bayer	0.029	0.029	0.062	0.062	0.062
	Mitin AL	Ciba-Geigy	0.055	0.055	0.055	0.0825	0.0825
	Mitin BL	Ciba-Geigy	0.029	0.029	0.062	0.062	0.062
	Perigen	Wellcome	0.029	0.029	0.062	0.062	0.062
	SMA-V	Vickers	0.015	0.015	0.033	0.033	0.033
	Wujun JF-86	Jiangsu Jintan Jianchang chemical industry additive plant	0.060	0.060	0.129	0.129	0.129