

ICS 11.180.20
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**NATIONAL STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

GB/T 44422-2024

**Water-absorbent polyacrylate in urine absorbing products -
Requirements**

尿吸收辅助器具中的聚丙烯酸吸水树脂 要求
(English Translation)

Issued on: August 23, 2024

Implemented on: December 1, 2024

**Issued by: State Administration for Market Regulation, China National
Standardization Administration**

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Foreword

This document is in accordance with the provisions of GB/T 1.1-2020 "Guidelines for standardization work Part 1: Structure and drafting rules for standardization documents" Drafting is required.

This document is equivalent to ISO 24669:2021 "Requirements for polyacrylic acid absorbent resins in urine absorption aids".

1 Scope

This document specifies the requirements for cross-linked polyacrylic acid absorbent resins for use in urine absorption aids.

2 Normative references

The contents of the following documents constitute the essential clauses of this document through normative references in this document.

For referenced documents without a date, only the version corresponding to that date applies to this document; for referenced documents without a date, the latest version (including all amendments) applies. in this document.

ISO 17190?1 Urine absorption aids for incontinence Polyacrylic acid superabsorbent powder Part 1: Test method for determination of pH value (Urine?absorbing aids for incontinence-Polyacrylate superabsorbent powders-Part 1: Test method for determination of pH)

Note: GB/T 20405.1-2006 Urine absorbent for incontinence-Polyacrylate superabsorbent powder-Part 1: Determination method of pH value (ISO 17190?1.2020,IDT)

ISO 17190?2 Urine absorption aids for incontinence Polyacrylic acid superabsorbent powder Part 2: Residual acrylate monomer content Test method for determination (Urine?absorbing aids for incontinence-Polyacrylate superabsorbent powders-Part 2.

Test method for determination of the amount of residual acrylate monomers)

Note: GB/T 20405.2-2006 Test method for properties of polymer matrix absorbent materials for urine absorbents for incontinence Part 2: Residual monomers Determination (ISO 17190?2.2001,IDT)

ISO 17190?3 Urine absorption aids for incontinence Polyacrylic acid superabsorbent powder Part 3: Determination of particle size distribution by sieving method Test method (Urine?absorbing aids for incontinence-Polyacrylate superabsorbent powders-Part 3: Test method for determination of the particle size distribution by sieve fractionation)

Note: GB/T 20405.3-2006 Test method for properties of polymer matrix absorbent materials for incontinence - Part 3: Determination of particle size by sieving method Determination of particle size distribution (ISO 17190?3.2001, IDT)

ISO 17190?4 Urine absorption aids for incontinence Polyacrylic acid superabsorbent powder Part 4: Determination of moisture content by weight loss method after heating Test method for determination (Urine?absorbing aids for incontinence-Polyacrylate superabsorbent powders-Part 4.

Test method for estimation of the moisture content as weight loss upon heating)

Note: GB/T 20405.4-2006 Test method for properties of polymer matrix absorbent materials for incontinence Part 4: Heating weight loss method Determination of moisture content (ISO 17190?4.2001, IDT)

ISO 17190?6 Urine absorption aids for incontinence Polyacrylic acid superabsorbent powder Part 6: Determination of the bioavailability of urine after centrifugation by gravimetric method Test method for liquid retention rate of saline solution (Urine?absorbing aids for incontinence-Polyacrylate superabsorbent gravimetric measurement following centrifugation)

Note: GB/T 39748.6-2021 Test method for properties of polymer matrix absorbent materials for incontinence urine absorption aids Part 6: Weighing method Saline solution retention rate after centrifugation (ISO 17190?6.2001, IDT)

ISO 17190?9 Urine absorption aids for incontinence Polyacrylic acid superabsorbent powder Part 9: Gravimetric determination of flow rate and volume Test method for density (Urine?absorbing aids for incontinence-Polyacrylate superabsorbent powders-Part 9.

Test method for gravimetric determination of flow rate and bulk density)

Note: GB/T 39748.9-2021 Test method for properties of polymer matrix absorbent materials for incontinence urine absorption aids Part 9: Weighing method