



Nikunj Scientific Corporation

Dealers In: All Laboratory Instruments, Chemicals, Glassware, Specimens, Charts & maps,
Anatomical Models, Geographical & mathematical items Etc.

OFF- A-602, Green Vatika-Dattani Park, Thakur Village, Kandivli (E) Mumbai: 400 101,

Telefax: 022-28842326, Email: nsc_nikunj@yahoo.co.in

Nikunj Bhatt: 09892750580

Vinod Bhatt: 09869054259

QUALITATIVE FILTER PAPERS	
GRADE 1	
<p>Grade 1 standard filter paper is the most widely used filter paper for routine applications with medium retention and flow rate. Extended range of sizes includes 10 to 500mm diameter circles and 460 x 570 mm sheets.</p> <p>This grade covers a wide range of laboratory applications and is frequently used for clarifying liquids. Traditionally, this grade is used in qualitative analytical separations for precipitates such as lead sulfate, calcium oxalate (hot), and calcium carbonate.</p>	
Diameter mm	Qty
GRADE 1	
20	400
25	400
30	400
42.5	100
47	100
55	100
70	100
85	100
90	100
110	100

125	100
150	100
185	100
240	100
270	100
320	100
400	100
500	100
26 x 31 Sheets	1000
75 x 100 Sheets	500
460 x 570 Sheets	100
460 x 570 Sheets	500
580 x 680 Sheets	100
580 x 680 Sheets	500
GRADE 2	
42.5	100
55	100
70	100
90	100
110	100
125	100
150	100
185	100
240	100
320	100
460 x 570 Sheets	100
GRADE 3	
55	100
70	100
90	100
110	100
125	100
150	100
185	100
240	100
320	100
460 x 570 Sheets	100
GRADE 4	
42.5	100
47	100
55	100

70	100
90	100
110	100
125	100
150	100
185	100
240	100
270	100
320	100
400	100
460 x 570 Sheets	100
GRADE 5	
42.5	100
55	100
70	100
90	100
110	100
125	100
150	100
185	100
240	100
GRADE 6	
42.5	100
70	100
90	100
110	100
125	100
ALSO AVAILABLE GRADE 591, 595, 597 & 598	
QUALITATIVE FILTER PAPERS	
WET STRENGTHENED GRADES	
These extremely strong filter papers have a high wet strength due to the addition of a small quantity of chemically stable resin. Some wet strengthened grades are available in folded (prepleated) forms.	
Diameter mm	Qty

GRADE 113	
90	100
110	100
125	100
150	100
Folded Prepleated Grades	
<p>Time-saving Whatman qualitative grades are offered in this convenient form, which have major advantages over flat circles. Saves time required to quadrant-fold circles to fit conical filter dunnels in repetitive or multiple analyses Decreased overall filtration time because of the extra surface area exposed Increased total loading capacity as more filter area is available Maintained flow rate due to the reduction in filter paper contact with funnel side and the self-supporting shape of the filter itself.</p>	
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Diameter mm	Qty
GRADE 2V	
125	100
150	100
185	100
240	100
FILTER AIDS	
DESCRIPTION	QTY
Ashless Clippings	500g
Ashless floc	100g

ASHLESS GRADES

0.007% ash maximum for Grades 40 to 44 and a maximum of 0.01% for 589 Grades.
Very pure filters suitable for a wide range of critical analytical filtration procedures

Diameter mm	Qty	Cat. No.
GRADE 40		
12.7	400	1440-012
42.5	100	1440-042
47	100	1440-047
55	100	1440-055
70	100	1440-070
90	100	1440-090
110	100	1440-110
125	100	1440-125
150	100	1440-150
185	100	1440-185
240	100	1440-240
460x570 Sheets	100	1440-917
GRADE 41		
42.5	100	1441-042
55	100	1441-055
70	100	1441-070
90	100	1441-090
110	100	1441-110
125	100	1441-125
150	100	1441-

		150
185	100	1441-185
240	100	1441-240
320	100	1441-866
460 x 570 Sheets	100	1441-917
GRADE 42		
42.5	100	1442-042
55	100	1442-055
70	100	1442-070
90	100	1442-090
110	100	1442-110
125	100	1442-125
150	100	1442-150
185	100	1442-185
240	100	1442-240
460 x 570 Sheets	100	1442-917
GRADE 43		
90	100	1443-090
110	100	1443-110
125	100	1443-125
150	100	1443-150
185	100	1443-185
GRADE 44		
70	100	1444-070
90	100	1444-090
110	100	1444-110
125	100	1444-125

150	100	1444-150
185	100	1444-185

HARDENED FILTERS

The maximum ash content of these grades is intermediate between ashless and qualitative grades. They are particularly suitable for Buchner filtrations where it is desirable to recover the precipitate from the filter surface after filtration. Other Characteristics include high wet strength and chemical resistance, which are similar to the acid hardened ashless filter papers.

Diameter mm	Qty	Cat. No.
GRADE 50		
55	100	1450-055
70	100	1450-070
90	100	1450-090
110	100	1450-110
125	100	1450-125
150	100	1450-150
185	100	1450-185
240	100	1450-240
320	100	1450-320
460x570 Sheets	100	1450-917
GRADE 52		
90	100	1452-090
110	100	1452-110
125	100	1452-125
150	100	1452-150
240	100	1452-

		240
GRADE 54		
55	100	1454-055
70	100	1454-070
90	100	1454-090
110	100	1454-110
125	100	1454-125
150	100	1454-150
185	100	1454-185
240	100	1454-240
320	100	1454-320
500	100	1454-500
460 x 570 Sheets	100	1454-917

HARDENED ASHLESS FILTERS

These are the supreme quantitative filter papers featuring high wet strength and chemical resistance. These papers are acid hardened, which reduces ash to an extremely low level. Their tough surfaces make them suitable for a wide range of critical analytical filtration operations. Each grade offer a convenient combination of filtration speed and particle retention.

Diameter mm	Qty	Cat. No.
GRADE 540		
42.5	100	1540-042
55	100	1540-055
90	100	1540-090
110	100	1540-110
125	100	1540-

		125
150	100	1540-150
185	100	1540-185
240	100	1540-240
GRADE 541		
42.5	100	1541-042
55	100	1541-055
70	100	1541-070
90	100	1541-090
110	100	1541-110
125	100	1541-125
150	100	1541-150
185	100	1541-185
240	100	1541-240
270	100	1541-270
320	100	1541-320
460 x 570 Sheets	100	1541-917
GRADE 542		
70	100	1542-070
90	100	1542-090
110	100	1542-110
125	100	1542-125
150	100	1542-150
185	100	1542-185

CHROMATOGRAPHY PAPERS

FEATURES AND BENEFITS

- * Pure cellulose produced entirely from the highest quality cotton linters with no additives of any kind.
- * Manufactured and tested specifically for chromatographic techniques this ensures the wicking capability and uniformity of capillary action that are important in chemical separations
- * Also widely used in protein and nucleic acid blotting.

Diameter mm	Qty	Cat. No.
1 Chr (0.18 mm thickness)		
100 x 300	100 Sheets	3001-845
200 x 200	100 Sheets	3001-861
250 x 250	100 Sheets	3001-878
460 x 570	100 Sheets	3001-917
580 x 680	100 Sheets	3001-931
10 x 100m	Reels	3001-604
30 x 100m	Reels	3001-640
2 Chr (0.18 mm thickness)		
460 x 570	100 Sheets	3002-917
3 Chr (0.34 mm thickness)		
460 x 570	100 Sheets	3003-917
3 Chr (0.36 mm thickness)		
20 x 100m	1 Reel	3030-614
75 x 100m	1 Reel	3030-662
100 x 100m	1 Reel	3030-672
125 x 125 m	1 Reel	3030-675
150 x 100m	1 Reel	3030-681
190 x 100m	1 Reel	3030-690
230 x 100m	1 Reel	3030-700

270 x 100m	1 Reel	3030-704
200 x 200	100 Sheets	3030-861
200 x 250	100 Sheets	3030-866
460 x 570	100 Sheets	3030-917
580 x 680	100 Sheets	3030-931
4 CHR (0.21 mm thickness)		
460 x 570	100 Sheets	3004-917
17 Chr (0.92 mm thickness)		
460 x 570	100 Sheets	3020-915
20 Chr (0.17 mm thickness)		
460 x 570	100 Sheets	3020-917
31 ET Chr (0.50 mm thickness)		
460 x 570	25 Sheets	3031-915

PURE CELLULOSE BLOTTING SHEETS		
<p>GB003 : Blotting paper with a high abosirbency used as a membranne get support recommended for the lysis/denaturation of colony of plaque lifts and Western blots.</p> <p>GB005 : A thick (1.5mm) highly absorbent paper roccomended for applications where fewer layers of blotting paper must still ensure a high capacity. Recommended for semi-dry blotting of proteins.</p>		
Diameter mm	Qty	Cat. No.
GB005 Blotting Sheets (0.8 mm thickness)		
100 x 100	50	1042-6880
150 x 150	100	1042-7810
150 x 200	100	1042-7812
160 x 180	100	1042-7813
200 x 200	100	1042-7818

460 x 570	100	1042-7826
GB005 Blotting Sheets (1.5mm Thickness)		
150 x 150	25	1042-6972
200 x 200	25	1042-6981
580 x 580	25	1042-7826
ION EXCHANGE Papers		
<ul style="list-style-type: none"> * Simultaneous development of multiple samples on the same sheet under identical conditions and development of samples with different solvents and/or different concentrations of the same solvent. * Suitable for two-dimensional chromatography (change in direction of the solvent front) with possible improved resolution. * Used in enzyme assays to separate product from reactant by charge or polarity. 		
Diameter mm	Qty	Cat. No.
ION EXCHANGE CELLULOSE SHEETS		
DE 81		
460 x 570	25 Sheets	3568-915
P 81		
460 x 570	25 Sheets	3698-915
Adsorbent Loaded Sheets		
SG 81		
460 x 570	25 Sheets	3668-915
ION EXCHANGE CELLULOSE SHEETS		
DE 81		
23	400	3658-023
MULTIGRADE GMF 150		
MULTIPLE POROSITIES, GREATER FILTRATION EFFICIENCY		
<p>Whatman GMF 150 is a binder free glass microfiber filter with a coarse top layer (10µm) meshed with a finer layer of 1µm or 2 µm.</p>		

The GMF 150 allow for :

- * Higher particulate loading capacity.
- * Faster flow rate
- * Extended life of filter

Size mm	Qty	Cat. No.
Multigrade GMF 150 1µm		
47	40	1841-047
90	20	1841-090
Multigrade GMF 150 2µm		
47	40	1842-047
90	20	1842-090
GF SERIES - BINDER FREE		
<p>Whatman glass microfiber filters are manufactured from 100% borosilicate glass. Binder free grades can withstand temperatures up to 550°C and can therefore be used in gravimetric analysis. Grades such as GF/B or GF/D are recommended because of low resistance to fluid flow and high particle loading capacity.</p>		
Diameter mm	Qty	Cat. No.
GF / A		
21	100	1820-021
24	100	1820-024
25	100	1820-025
37	100	1820-037
42.5	100	1820-042
47	100	1820-047
55	100	1820-055
70	100	1820-070
90	100	1820-090
110	100	1820-110
125	100	1820-125
150	100	1820-150

203 x 254 * Sheets	100	1820-866
460 x 570 Sheets *8 x 10 inches	100	1820-915
Size mm	Qty	Cat No.
GF / B		
24	100	1821-024
25	100	1821-025
37	100	1821-037
42.5	100	1821-042
47	100	1821-047
55	100	1821-055
70	100	1821-070
90	25	1821-090
110	25	1821-110
125	25	1821-125
150	25	1821-150
460 x 570 Sheets	25	1821-915
GF / C		
24	100	1822-024
25	100	1822-025
37	100	1822-037
42.5	100	1822-042
47	100	1822-047
55	100	1822-055
70	100	1822-070
90	100	1822-090
110	100	1822-110
125	100	1822-125
150	100	1822-849

102 x 254 Cell Harvesting Strips	50	1822-849
203 x 254* Sheets	100	1822-866
460 x 570 Sheets	25	1822-915
GF / D		
24	100	1823-024
25	100	1823-025
47	100	1823-047
55	100	1823-055
70	100	1823-070
90	25	1823-090
125	25	1823-125
150	25	1823-150
257	25	1823-257
GF / F		
21	100	1825-021
24	100	1825-024
25	100	1825-025
37	100	1825-037
42.5	100	1825-042
47	100	1825-047
55	100	1825-055
70	100	1825-070
90	25	1825-090
110	25	1825-110
125	25	1825-125
150	25	1825-150
257	25	1825-257
*8x10 inches		

GRADE EPM 2000 : 2.0 µm

EPM 2000 has been developed especially for use in high volume air sampling equipment that collects atmospheric particulates and aerosols. It is manufactured from 100% pure borosilicate glass of special purity, enabling detailed chemical analysis of trace pollutants to take place with the minimum of interference or background.

Size mm**Qty****Cat. No.****EMP 2000**

47

100

1882-047

460 x 570

100

1882-866

8 x 10 inches

GRADE 934-AH

A high retention borosilicate glass microfiber filter, which withstands temperatures over 500°C. Grade 934-AH is used for a wide range of laboratory applications. It is recommended for water pollution monitoring, cell harvesting counting, and air pollution monitoring

Diameter mm**Qty****Cat. No.****934-AH**

47

100

1827-047

55

100

1827-055

70

100

1827-070

90

100

1827-090

110

100

1827-110

125

100

1827-125

150

100

1827-150

203 x 254* Sheets

100

1827-866

934-AH RTU (Ready to use)

42.5

100

9907-042

47

100

9907-047

55

100

9907-055

*8x10 inches

QUARTZ FILTER GRADE QM-A : 2.2 µm

High-purity quartz (SiO₂) microfiber filter are used for air sampling in acidic gases, flues and aerosols, particularly at high temperatures up to 500°C and in PM-10 testing. QM-A, sequentially numbered according to EPA standards, is suitable for most applications.

Size mm	Qty	Cat. No.
GF / C		
25	100	1851-025
37	100	1851-037
47	100	1851-047
82	100	1851-082
85	100	1851-085
90	100	1851-90
101	100	1851-101
110	100	1851-110
118	100	1851-118
150	100	1851-150
203 x 254* Sheets	25	1851-865
203 x 254* Sheets (pre-numbered)	100	1851-8866
QM-H (For Temp up to 1000°C)		
47	25	1853-047
50	25	1853-050
*8 x 10 inches		
ACID TREATED LOW METAL TCLP FILTERS		
ACID TREATED LOW METAL TCLP FILTERS		
Size mm	Qty	Cat. No.
ACID TREATED LOW METAL TCLP FILTERS		
47	100	1810-047
90	50	1810-090
110	50	1810-110
125	50	1810-125
142	50	1810-142
150	50	1810-150
3-PIECE FILTER FUNNEL		
<p>Whatman 3-Piece Filter Funnels have been designed to complement the range of fine particle retention, rapid flow rate glass microfiber filters. Also available with a choice of three plates and several sizes.</p>		
Size mm	Qty	Cat. No.
ACRYLIC PLATE		
2.5		1950-002
4.7		1950-004
7		1950-007
7.0 large reservoir (210ml)		1950-017
9		1950-009
12.5		1950-012

EXTRACTION THIMBLES

Whatman cellulose and glass microfiber extraction thimbles are known for their purity and consistent high quality. The thimbles are widely used in Soxhlet extraction units, providing a safe, convenient and efficient method of solvent extraction of solids and semi-solids. Soxhlet extraction is a widely used technique for the analysis of fats or pesticides in foods and soil materials as well as in many other procedures that involve a solid-liquid extraction.

Size mm	Thickness	Qty	Cat. No.
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CELLULOSE THIMBLES

18 x 55	Single	25	2800-185
19 x 90	Single	25	2800-199
22 x 65	Single	25	2800-226
22 x 80	Single	25	2800-228
25 x 80	Single	25	2800-258
25 x 100	Single	25	2800-250
28 x 80	Single	25	2800-288
28 x 100	Single	25	2800-282
28 x 120	Single	25	2800-308
30 x 80	Single	25	2800-300
30 x 100	Single	25	2800-308
33 x 80	Single	25	2800-338
33 x 100	Single	25	2800-330
33 x 118	Single	25	2800-331
41 x 123	Single	25	2800-412
43 x 123	Single	25	2800-432
60 x 180	Single	25	2800-608
22 x 80	Single	25	2800-228
25 x 80	Single	25	2800-258
33 x 80	Single	25	2800-338
40 x 123	Single	25	2800-432

Size mm	Qty	Cat. No.
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Glass Microfiber Thimbles-Grade HP-GF

19 x 90	25	2814-199
25 x 90 (Tapered)	25	2814-259
30 x 100	5	2814-300
43 x 123	25	2814-432

Quartz / Silica Thimbles (Tapered)

25 x 90 (Tapered)	10	2812-259
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Extraction Thimbles for Automated Extraction

**Apparatus - Grade
603**

BUCHI Extraction System B-811

25 x 100	25	1035-0219
22 x 80	25	1035-0211
33 x 94	25	1035-0242

GERHARDT/OI/FOSS - TECATOR

33 X 80	25	1035-0240
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CELLULOSE NITRATE MEMBRANES

Recommend for the majority of routine applications this membrane is manufactured under strictly controlled conditions. Whatman nitrocellulose membranes are known for higher strength and flexibility, low extractibles and narrow pore size distribution.

Size mm	Qty	Cat. No.
0.1µm		
25	100	7181-002
47	100	7181-004
0.2µm		
25	100	7182-002
47	100	7182-004
90	25	7182-009
0.45µm		
13	100	7184-001
25	100	7184-002
47	100	7184-004
90	25	7184-009
142	25	7184-014
0.8µm		
47	100	7188-004
90	25	7188-009
1.0µm		
25	100	7190-002
47	100	7190-004
3.0µm		
25	100	7193-002
47	100	7193-004
5.0µm		
25	100	7195-0106
47	100	7195-0112
50	100	7195-0114
AE 99 (8 µm)		
25	100	1040-0106
47	100	1040-0112

50	100	1040-0114
AE 100 (12 µm)		
47	100	1040-0012
50	100	1040-0014
WCN - 0.45µm White		
47 With pads	100	7141-004
WCN Sterlie Filters - 0.45 µm White Grid		
47 With pads	100	7141-104
47 Without pads	100	7141-114
47 Without Pads	1000	7141-154
WCNAutoclave Packs - 0.45µm White Grid		
47	100	7141-204
<p>PTFE MEMBRANCES</p> <p>Whatman PTFE membranes are chemically stable and inert. They are suitable for applications involving aggressive organic solvents, strong acids and alkalis. They are particularly suitable for preparing samples for HPLC analysis. The hydrophobic nature of the membrane also has applications for air and gas sterilization. The membrane is laminated onto a non woven polypropylene support web for improved strength and handling and can be used at temperatures up to 120°C.</p>		
Size mm	Qty	Cat. No.
WTP-PTFE MENBRANCE FILTERS		
0.2 µm		
25	100	7582-002
47	100	7582-004
TE 35 (0.2µm)		
25	50	1041-1405
47	50	1041-1411
50	50	1041-1413
TE 36 (0.45 µm)		
25	50	1041-1305
47	50	1041-1311
50	50	1041-1413
0.5µm		
47	100	7585-004
TE 36 (0.45 µm)		
25	100	7590-002
47	100	7590-004