V-Kards Associate

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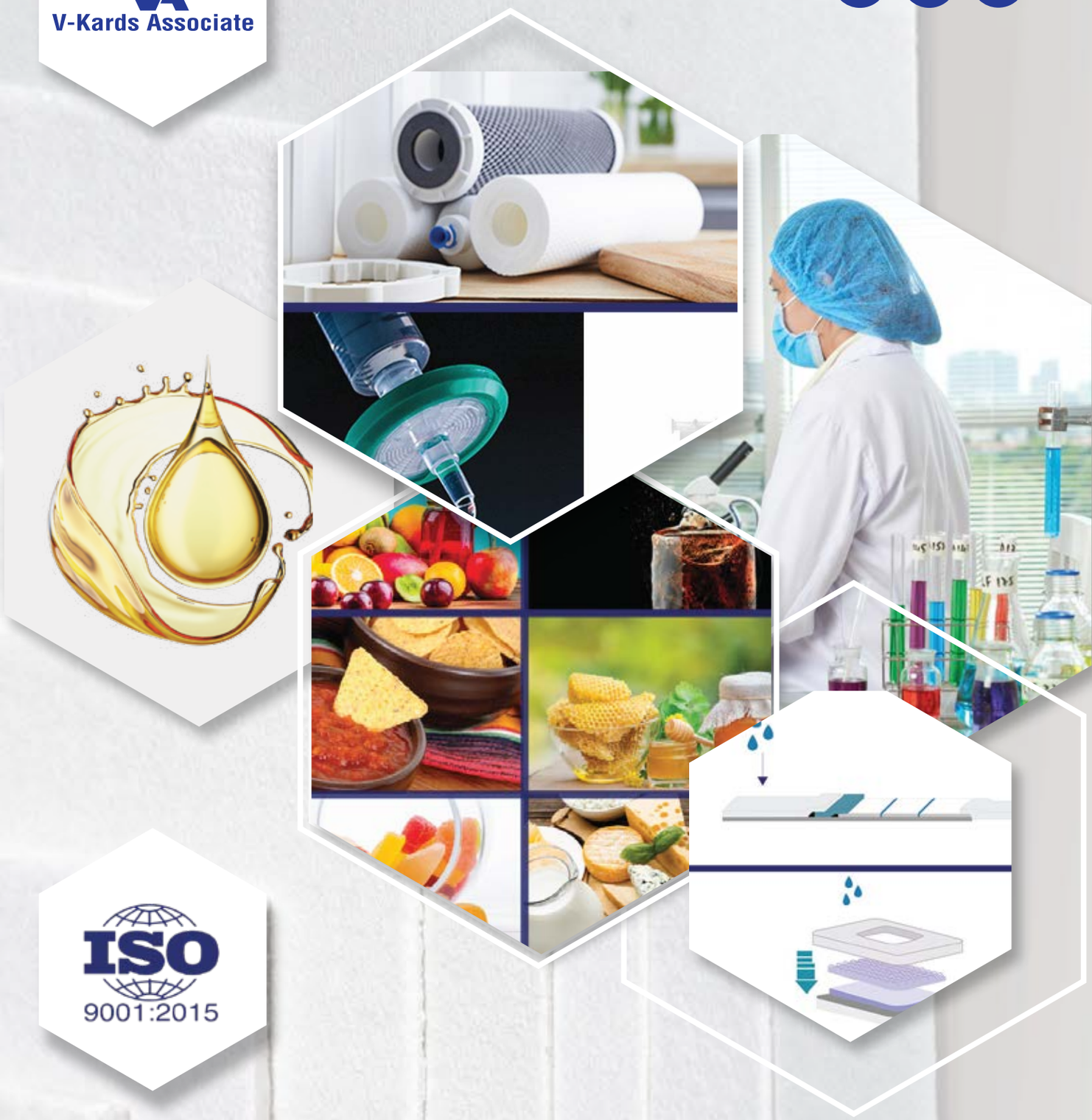

ISO 9001:2015

Who We Are?

We are one of the pioneered and leading manufacturers & exporters in the field of filter paper, cellulose paper, and polyester paper industry. We belong to the SRI SAI RAMA group, a pioneer in Cotton Linter, based in the Telangana State of India. V-kards is vastly experienced in different Cotton Linters, Cotton pulp businesses. Our leading services have catered to the industrial needs of various pharma, medical, IVD, healthcare centers, food and beverages, textile & paper industries in form of various applications.

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Cellulose Series

Below are some technical details about our wide range of products.

Application : Sample Pad for Rapid Test/ Filter Pad for Filteration

Catalog No	Material	Gram Weight GSM	Thickness (mm)	Porosity (Sec)	Wicking Time (S/4 cm)	Available In
VKA10001	Cotton Linter	95 - 105	0.20 - 0.40	1 - 3	21	Sheet, Strip and Roll
VKA15001	Cotton Linter	145 - 155	0.20 - 0.40	3 - 5	44	Sheet, Strip and Roll
VKA20001	Cotton Linter	195 - 205	0.30 - 0.50	5 - 7	67	Sheet, Strip and Roll
VKA25001	Cotton Linter	245 - 255	0.50 - 0.60	6 - 8	41	Sheet, Strip and Roll
VKA15011	Glass Fibre	80 - 110	0.55 - 0.65	5 - 7	45	Sheet and Strip

Application : Sample Pad for Rapid Test/ Filter Pad for Filteration

Catalog No	Material	Gram Weight GSM	Thickness (mm)	Porosity (Sec)	Wicking Time (S/4 cm)	Available In
VKA35001	Cotton Linter	345 - 355	0.70 - 0.90	9 - 11	32	Sheet, Strip and Roll
VKA40001	Cotton Linter	395 - 405	0.80 - 1.00	12 - 14	36	Sheet and Strip
VKA50001	Cotton Linter	495 - 505	0.90 - 1.10	15 - 17	38	Sheet and Strip
VKA65001	Cotton Linter	780 - 820	1.40 - 1.60	19 - 23	42	Sheet and Strip
VKA80001	Cotton Linter	80 - 110	1.90 - 2.10	26 - 31	45	Sheet and Strip

Filter Series

Qualitative Filter Paper :

Qualitative filter papers are used in applications where routine separation is required to determine and identify materials. V-Kards provides an extensive range of filers to meet your specifications.

VKAFG001- (Grade 1): The most widely used filter paper for routine applications with medium retention and flow rate.

VKAFG002- (Grade 2): This grade is slightly more retentive and absorbent than Grade 1 with an increase in filtration time.

VKAFG003- (Grade 3): This grade is double the thickness of Grade 1 with still finer particle retention and excellent loading capacity; more precipitate can be held without clogging.

VKAFG004- (Grade 4): This grade is Extremely fast filtering with excellent retention of coarse particles and gelatinous precipitates such as ferric hydroxide and aluminum hydroxide.

VKAFG005- (Grade 5): This grade is Capable of retaining the fine precipitates encountered in chemical analysis.

VKAFG006- (Grade 6): This grade is twice as fast as Grade 5 with similar fine particle retention. Often specified for boiler water analysis applications.

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Filter Series

Below are some technical details about our products.

Catalog No	Typical particle retention in liquid (µm)	Filtration speed (approx) herzberg (s)	Wet Burst Strength	Loading Capacity	Nominal thickness (µm)	Nominal basis weight (g/m2)	Nominal ash content (%)
VKAFG001	10 ± 1	-	-	-	180	85 ± 5%	0.06
VKAFG002	8 ± 1	-	-	-	190	97 ± 5%	0.06
VKAFG003	6 ± 1	-	-	-	390	185 ± 5%	0.06
VKAFG004	25 ± 1	-	-	-	210	92 ± 5%	0.06
VKAFG005	25 ± 1	1700	30 ± 5%	Low	160	80 ± 5%	0.06
VKAFG006	3 ± 1	-	-	-	180	100 ± 5%	0.15

Quantitative Filter Paper :

Quantitative Filter Papers are used for quantitative and gravimetric analyses where the precipitate is to be recovered, as well as for pressure or vacuum filtration.

VKAFG011- (Grade 11): This grade is used for coarse and voluminous precipitates such as iron - aluminum - and chromium hydroxide or Si determination in steel and pig iron analysis.

VKAFG040- (Grade 40): This grade is used as general-purpose ashless filter paper with medium speed and retention.

VKAFG041- (Grade 41): This grade is the fastest ashless filter paper, recommended for analytical procedures involving coarse particles or gelatinous precipitates.

VKAFG042- (Grade 42): A world standard for critical gravimetric analysis with the finest particle retention of all filter papers.

VKAFG043- (Grade 43): It has retention between VKAFG040 and VKAFG041, and is twice as fast as VKAFG040.

VKAFG044- (Grade 44): Thin version of VKAFG042 retaining very fine particles but with lower ash weight and nearly twice the flow rate of VKAFG042.

Quantitative Filter Paper :

Below are some technical details about our products.

Catalog No	Typical particle retention in liquid (µm)	Filtration speed (approx) herzberg (s)	Wet Burst Strength	Loading Capacity	Nominal thickness (µm)	Nominal basis weight (g/m2)	Nominal ash content (%)
VKAFG011	21 ± 1	50	105 ± 5%	High	500	130 ± 5%	0.15
VKAFG040	7 ± 1	390	22 ± 5%	Medium	180	86 ± 5%	0.01
VKAFG041	15 ± 1	62	22 ± 5%	High	200	84 ± 5%	0.01
VKAFG042	2.5 ± 1	1760	20 ± 5%	Low	180	100 ± 5%	0.01
VKAFG043	16 ± 1	155	22 ± 5%	Medium to High	220	95 ± 5%	0.01
VKAFG044	3 ± 1	995	22 ± 5%	Slow to Medium	180	80 ± 5%	0.01

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Polyester Series

Polyester is a synthetic material that is used in various consumer and industrial applications. Polyester Pads are one of the main components in Rapid Immunoassay. These can perform multiple tasks, the most important of which is the uniform transfer of detection reagents and test samples to the membrane in the Lateral flow tests (Rapid Test). When the sample flows into the Polyester pad, the detection reagent dissolves, lifts the pad material, and moves into the membrane together with the sample.

The important functions of these pads are to deliver the test agent particles as a constant volume of sample on each test strip to the membrane.

Below are some technical details about our wide range of products, their applications as well as the material used in it.

Catalog No	Material	Application	Type	Gram Weight	Thickness(mm)	Porosity (Sec)	Wicking Time (S/4 cm)
VKACP02	Polyester	Conjugate Pad for Rapid Test	Hydrophobic	30 - 35	0.12 - 0.14		
VKACP03	Polyester	Conjugate Pad for Rapid Test	Hydrophobic	90 - 100	0.42 - 0.46		
VKACP05	Polyester	Conjugate Pad for Rapid Test	Hydrophobic	95 - 115	0.38 - 0.42		24 ± 15

Whole Blood Separator Pad

Whole Blood Separator pad is used for rapid separation of plasma from whole blood samples and ensure retention of red-blood cells in lateral flow immunoassay applications.
V-Kards Whole Blood Separator has a proprietary blend fiber that retains blood cells while allowing plasma to flow rapidly.

Key Properties :

Provides consistent and rapid lateral separation of whole blood.
Hemolysis not visible.
Less waste of sample due to low protein binding, which will not affect the test sensitivity.
Material uniformity which gives consistent performance.
Has good biological and chemical compatibility.
Storage at room temperature.

Physical Properties :

Catalogue No. VKAWBS11	
Parameter	Standards
Thickness	550 - 650 µm
Tare weight (mg/cm2)	8 -11 mg/cm2
Wicking Time	45 ± 15 Sec/4cm
Max. Blood Volume (µL/cm2)	50
Functional Test	
Hemolysis on Membrane	No
RBC Leakage on membrane up to 25µl blood volume	No

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