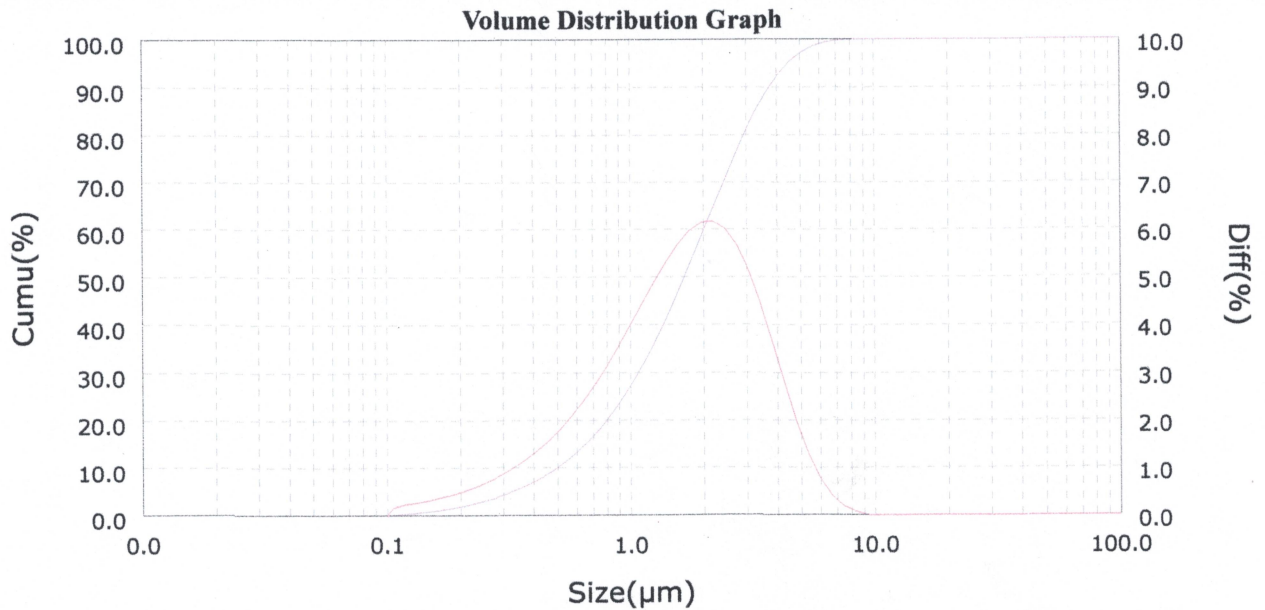


Polymer Add (Thailand) Co.,Ltd

PARTICLE SIZE ANALYSIS RESULT

Sample:TALC	R.I.Re:1.520	R.I.Im:0.000	
Medium:Sunflower	Medium R.I:1.468	Obs.:32.57	
Dispersant:N/A	Model:Unimodal	Residual:0.246 %	
Remarks:BAG 3			
Median(D50): 1.66 um	VMD D[4,3]: 1.93 um	SMD D[3,2]: 1.02 um	
SSA: 5833.77 m²/m³	Uniformity:0.603	Span:1.943	
D ₁₀ = 0.49 um	D ₂₅ = 0.93 um	D ₇₅ = 2.65 um	D ₉₀ = 3.73 um
D ₉₇ = 4.97 um	D ₉₈ = 5.37 um	D ₉₉ = 6.01 um	D ₁₀₀ = 8.84 um

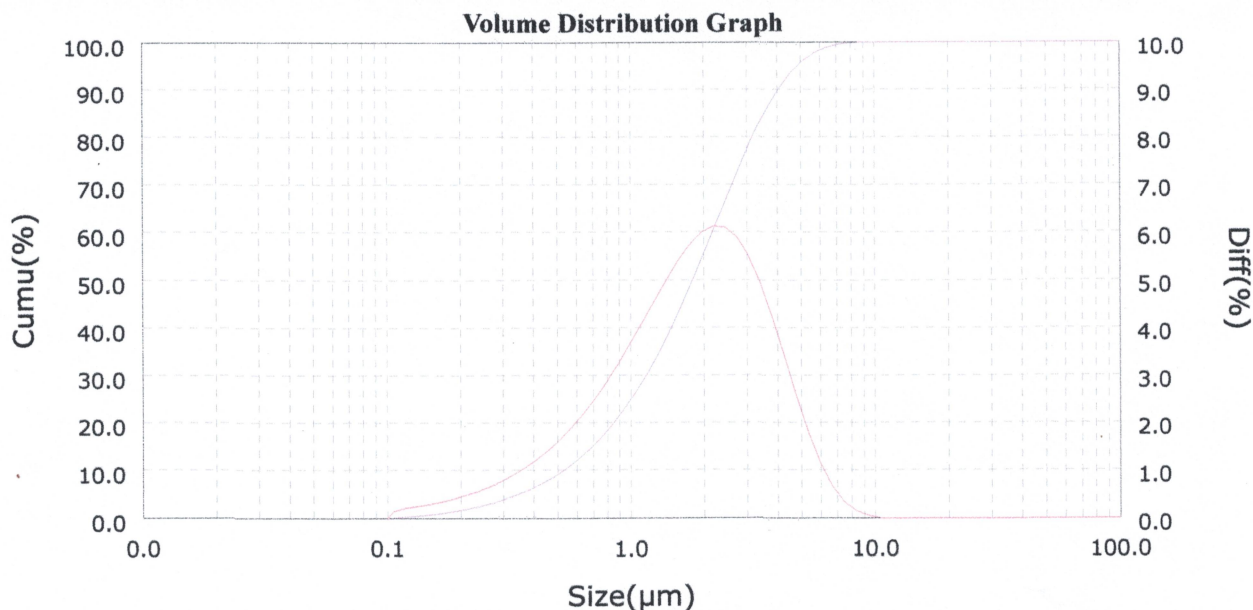


Size(um)	Diff%	Cumu%	Size(um)	Diff%	Cumu%	Size(um)	Diff%	Cumu%	Size(um)	Diff%	Cumu%
0.100--0.112	0.15	0.15	0.841--0.941	3.54	25.13	7.071--7.910	0.18	99.93	59.46--66.51	0.00	100.00
0.112--0.125	0.23	0.38	0.941--1.052	3.98	29.11	7.910--8.848	0.07	100.00	66.51--74.40	0.00	100.00
0.125--0.140	0.27	0.65	1.052--1.177	4.43	33.54	8.848--9.897	0.00	100.00	74.40--83.22	0.00	100.00
0.140--0.157	0.32	0.96	1.177--1.317	4.87	38.41	9.897--11.07	0.00	100.00	83.22--93.09	0.00	100.00
0.157--0.175	0.37	1.34	1.317--1.473	5.30	43.71	11.07--12.38	0.00	100.00	93.09--104.13	0.00	100.00
0.175--0.196	0.44	1.78	1.473--1.647	5.67	49.38	12.38--13.85	0.00	100.00	104.13--116.48	0.00	100.00
0.196--0.219	0.52	2.29	1.647--1.843	5.96	55.34	13.85--15.49	0.00	100.00	116.48--130.29	0.00	100.00
0.219--0.245	0.61	2.90	1.843--2.061	6.14	61.48	15.49--17.33	0.00	100.00	130.29--145.74	0.00	100.00
0.245--0.274	0.71	3.61	2.061--2.306	6.17	67.65	17.33--19.39	0.00	100.00	145.74--163.03	0.00	100.00
0.274--0.307	0.83	4.44	2.306--2.579	6.02	73.66	19.39--21.69	0.00	100.00	163.03--182.36	0.00	100.00
0.307--0.343	0.98	5.42	2.579--2.885	5.67	79.33	21.69--24.26	0.00	100.00	182.36--203.99	0.00	100.00
0.343--0.384	1.14	6.56	2.885--3.227	5.14	84.47	24.26--27.14	0.00	100.00	203.99--228.18	0.00	100.00
0.384--0.429	1.33	7.90	3.227--3.610	4.44	88.91	27.14--30.35	0.00	100.00	228.18--255.24	0.00	100.00
0.429--0.480	1.55	9.45	3.610--4.038	3.63	92.54	30.35--33.95	0.00	100.00	255.24--285.51	0.00	100.00
0.480--0.537	1.80	11.25	4.038--4.517	2.78	95.32	33.95--37.98	0.00	100.00	285.51--319.37	0.00	100.00
0.537--0.601	2.08	13.32	4.517--5.052	1.98	97.30	37.98--42.48	0.00	100.00	319.37--357.24	0.00	100.00
0.601--0.672	2.39	15.72	5.052--5.651	1.29	98.59	42.48--47.52	0.00	100.00	357.24--399.60	0.00	100.00
0.672--0.752	2.74	18.46	5.651--6.321	0.76	99.35	47.52--53.16	0.00	100.00	399.60--446.99	0.00	100.00
0.752--0.841	3.13	21.59	6.321--7.071	0.40	99.75	53.16--59.46	0.00	100.00	446.99--500.00	0.00	100.00

Polymer Add (Thailand) Co.,Ltd

PARTICLE SIZE ANALYSIS RESULT

Sample:TALC	R.I.Re:1.520	R.I.Im:0.000
Medium:Sunflower	Medium R.I:1.468	Obs.:32.57
Dispersant:N/A	Model:Unimodal	Residual:0.328 %
Remarks:BAG 15		
Median(D50): 1.79 um	VMD D[4,3]: 2.08 um	SMD D[3,2]: 1.09 um
SSA: 5486.89 m ² /m ³	Uniformity:0.609	Span:1.952
D ₁₀ = 0.52 um	D ₂₅ = 1.00 um	D ₇₅ = 2.86 um
D ₇₅ = 5.42 um	D ₉₀ = 9.89 um	D ₉₅ = 10.00 um

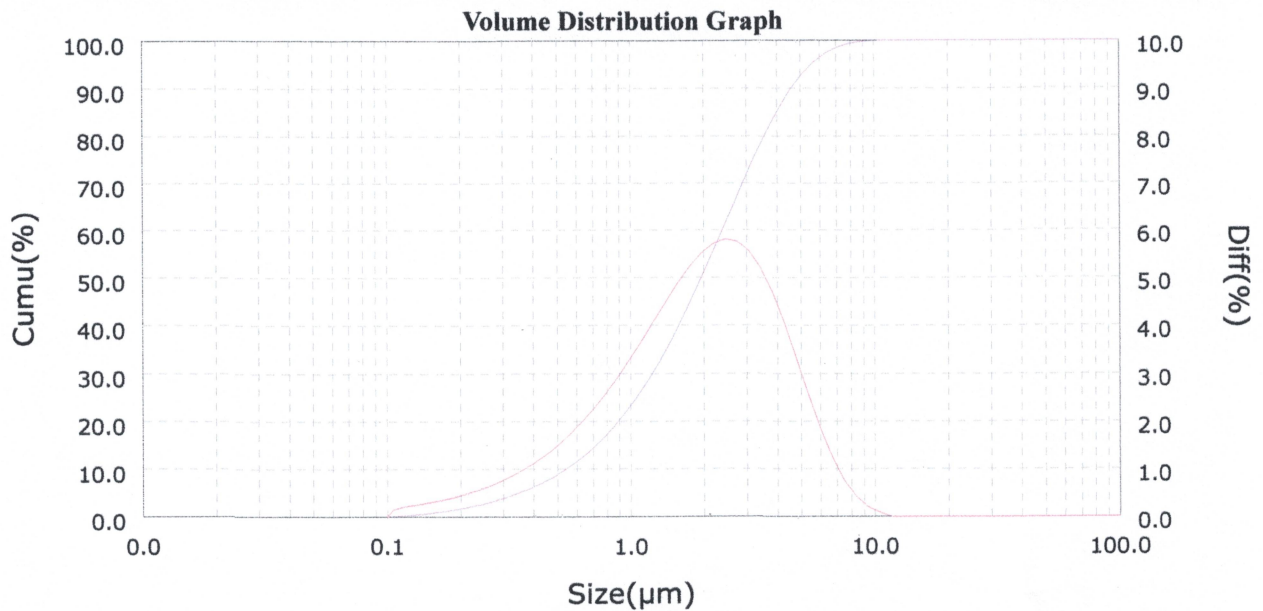


Size(um)	Diff%	Cumu%	Size(um)	Diff%	Cumu%	Size(um)	Diff%	Cumu%	Size(um)	Diff%	Cumu%
0.100--0.112	0.14	0.14	0.841--0.941	3.25	22.90	7.071--7.910	0.33	99.80	59.46--66.51	0.00	100.00
0.112--0.125	0.21	0.35	0.941--1.052	3.67	26.56	7.910--8.848	0.15	99.94	66.51--74.40	0.00	100.00
0.125--0.140	0.24	0.59	1.052--1.177	4.10	30.66	8.848--9.897	0.06	100.00	74.40--83.22	0.00	100.00
0.140--0.157	0.29	0.88	1.177--1.317	4.55	35.21	9.897--11.07	0.00	100.00	83.22--93.09	0.00	100.00
0.157--0.175	0.34	1.22	1.317--1.473	4.98	40.19	11.07--12.38	0.00	100.00	93.09--104.13	0.00	100.00
0.175--0.196	0.40	1.62	1.473--1.647	5.39	45.58	12.38--13.85	0.00	100.00	104.13--116.48	0.00	100.00
0.196--0.219	0.47	2.09	1.647--1.843	5.73	51.31	13.85--15.49	0.00	100.00	116.48--130.29	0.00	100.00
0.219--0.245	0.55	2.64	1.843--2.061	5.99	57.29	15.49--17.33	0.00	100.00	130.29--145.74	0.00	100.00
0.245--0.274	0.65	3.28	2.061--2.306	6.12	63.41	17.33--19.39	0.00	100.00	145.74--163.03	0.00	100.00
0.274--0.307	0.76	4.04	2.306--2.579	6.09	69.50	19.39--21.69	0.00	100.00	163.03--182.36	0.00	100.00
0.307--0.343	0.89	4.93	2.579--2.885	5.89	75.39	21.69--24.26	0.00	100.00	182.36--203.99	0.00	100.00
0.343--0.384	1.04	5.96	2.885--3.227	5.49	80.88	24.26--27.14	0.00	100.00	203.99--228.18	0.00	100.00
0.384--0.429	1.21	7.17	3.227--3.610	4.91	85.80	27.14--30.35	0.00	100.00	228.18--255.24	0.00	100.00
0.429--0.480	1.41	8.58	3.610--4.038	4.19	89.98	30.35--33.95	0.00	100.00	255.24--285.51	0.00	100.00
0.480--0.537	1.63	10.21	4.038--4.517	3.37	93.36	33.95--37.98	0.00	100.00	285.51--319.37	0.00	100.00
0.537--0.601	1.89	12.10	4.517--5.052	2.54	95.90	37.98--42.48	0.00	100.00	319.37--357.24	0.00	100.00
0.601--0.672	2.18	14.28	5.052--5.651	1.78	97.68	42.48--47.52	0.00	100.00	357.24--399.60	0.00	100.00
0.672--0.752	2.50	16.78	5.651--6.321	1.13	98.81	47.52--53.16	0.00	100.00	399.60--446.99	0.00	100.00
0.752--0.841	2.86	19.65	6.321--7.071	0.65	99.46	53.16--59.46	0.00	100.00	446.99--500.00	0.00	100.00

Polymer Add (Thailand) Co.,Ltd

PARTICLE SIZE ANALYSIS RESULT

Sample:TALC			R.I.Re:1.520			R.I.Im:0.000		
Medium:Sunflower			Medium R.I:1.468			Obs.:32.57		
Dispersant:N/A			Model:Unimodal			Residual:0.205 %		
Remarks:BAG 10								
Median(D50): 1.95 um			VMD D[4,3]: 2.31 um			SMD D[3,2]: 1.13 um		
SSA: 5277.45 m²/m³			Uniformity:0.645			Span:2.076		
D ₁₀ = 0.53 um			D ₂₅ = 1.05 um			D ₅₀ = 3.19 um		
D ₇₅ = 6.22 um			D ₉₀ = 6.75 um			D ₉₅ = 7.59 um		
						D ₉₉ = 11.06 um		

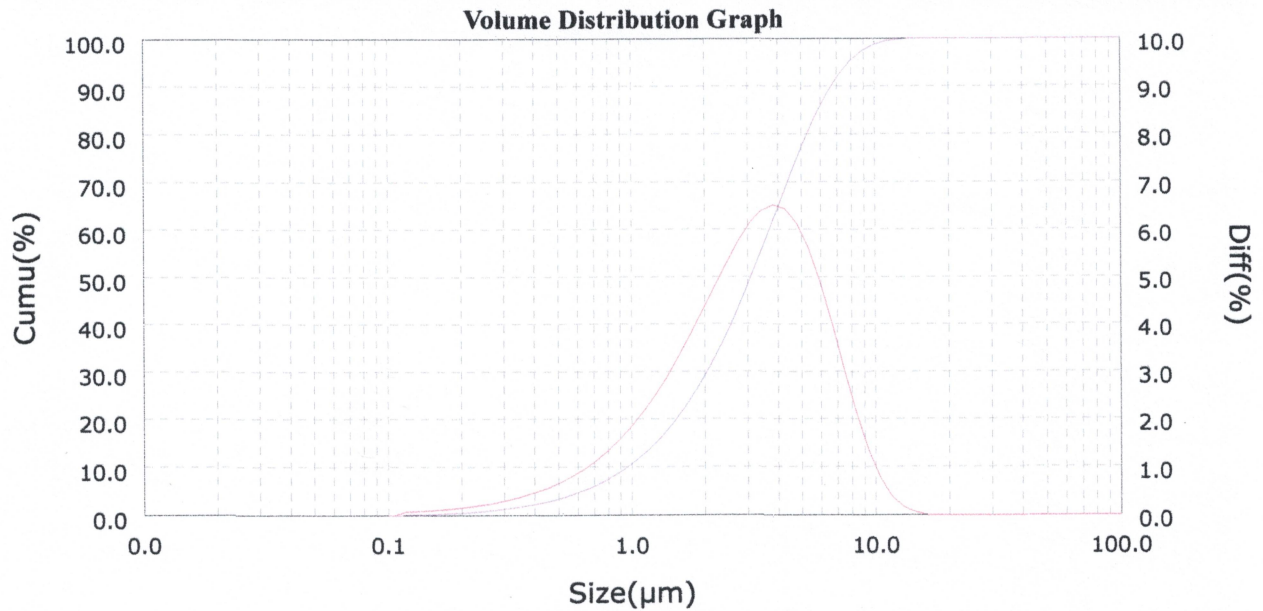


Size(um)	Diff%	Cumu%	Size(um)	Diff%	Cumu%	Size(um)	Diff%	Cumu%	Size(um)	Diff%	Cumu%
0.100--0.112	0.15	0.15	0.841--0.941	2.95	21.55	7.071--7.910	0.76	99.28	59.46--66.51	0.00	100.00
0.112--0.125	0.22	0.37	0.941--1.052	3.31	24.87	7.910--8.848	0.42	99.70	66.51--74.40	0.00	100.00
0.125--0.140	0.25	0.62	1.052--1.177	3.70	28.57	8.848--9.897	0.21	99.91	74.40--83.22	0.00	100.00
0.140--0.157	0.30	0.92	1.177--1.317	4.10	32.66	9.897--11.07	0.09	100.00	83.22--93.09	0.00	100.00
0.157--0.175	0.35	1.26	1.317--1.473	4.49	37.15	11.07--12.38	0.00	100.00	93.09--104.13	0.00	100.00
0.175--0.196	0.40	1.67	1.473--1.647	4.87	42.03	12.38--13.85	0.00	100.00	104.13--116.48	0.00	100.00
0.196--0.219	0.47	2.14	1.647--1.843	5.22	47.25	13.85--15.49	0.00	100.00	116.48--130.29	0.00	100.00
0.219--0.245	0.55	2.69	1.843--2.061	5.51	52.75	15.49--17.33	0.00	100.00	130.29--145.74	0.00	100.00
0.245--0.274	0.64	3.32	2.061--2.306	5.71	58.47	17.33--19.39	0.00	100.00	145.74--163.03	0.00	100.00
0.274--0.307	0.74	4.06	2.306--2.579	5.80	64.27	19.39--21.69	0.00	100.00	163.03--182.36	0.00	100.00
0.307--0.343	0.86	4.92	2.579--2.885	5.76	70.03	21.69--24.26	0.00	100.00	182.36--203.99	0.00	100.00
0.343--0.384	1.00	5.92	2.885--3.227	5.56	75.60	24.26--27.14	0.00	100.00	203.99--228.18	0.00	100.00
0.384--0.429	1.15	7.07	3.227--3.610	5.20	80.80	27.14--30.35	0.00	100.00	228.18--255.24	0.00	100.00
0.429--0.480	1.33	8.40	3.610--4.038	4.69	85.48	30.35--33.95	0.00	100.00	255.24--285.51	0.00	100.00
0.480--0.537	1.53	9.93	4.038--4.517	4.04	89.53	33.95--37.98	0.00	100.00	285.51--319.37	0.00	100.00
0.537--0.601	1.76	11.69	4.517--5.052	3.32	92.85	37.98--42.48	0.00	100.00	319.37--357.24	0.00	100.00
0.601--0.672	2.01	13.70	5.052--5.651	2.57	95.42	42.48--47.52	0.00	100.00	357.24--399.60	0.00	100.00
0.672--0.752	2.30	16.00	5.651--6.321	1.86	97.28	47.52--53.16	0.00	100.00	399.60--446.99	0.00	100.00
0.752--0.841	2.61	18.60	6.321--7.071	1.25	98.52	53.16--59.46	0.00	100.00	446.99--500.00	0.00	100.00

Polymer Add (Thailand) Co.,Ltd

PARTICLE SIZE ANALYSIS RESULT

Sample:TALC - Fine Powder			R.I.Re:1.520			R.I.Im:0.000					
Medium:Sunflower			Medium R.I:1.468			Obs.:32.57					
Dispersant:N/A			Model:Unimodal			Residual:0.051 %					
Remarks:											
Median(D50): 3.09 um			VMD D[4,3]: 3.51 um			SMD D[3,2]: 1.86 um					
SSA: 3209.17 m ² /m ³			Uniformity:0.569			Span:1.839					
D ₁₀ = 0.95 um			D ₂₅ = 1.78 um			D ₇₅ = 4.80 um			D ₉₀ = 6.65 um		
D ₇ = 8.70 um			D ₉₈ = 9.38 um			D ₉ = 10.43 um			D ₁₀₀ = 15.49 um		



Size(um)	Diff%	Cumu%	Size(um)	Diff%	Cumu%	Size(um)	Diff%	Cumu%	Size(um)	Diff%	Cumu%
0.100--0.112	0.00	0.00	0.841--0.941	1.57	9.71	7.071--7.910	3.01	95.22	59.46--66.51	0.00	100.00
0.112--0.125	0.07	0.07	0.941--1.052	1.84	11.54	7.910--8.848	2.10	97.32	66.51--74.40	0.00	100.00
0.125--0.140	0.08	0.15	1.052--1.177	2.15	13.69	8.848--9.897	1.33	98.66	74.40--83.22	0.00	100.00
0.140--0.157	0.10	0.25	1.177--1.317	2.50	16.19	9.897--11.07	0.76	99.41	83.22--93.09	0.00	100.00
0.157--0.175	0.12	0.37	1.317--1.473	2.89	19.08	11.07--12.38	0.37	99.79	93.09--104.13	0.00	100.00
0.175--0.196	0.14	0.51	1.473--1.647	3.32	22.39	12.38--13.85	0.16	99.94	104.13--116.48	0.00	100.00
0.196--0.219	0.17	0.68	1.647--1.843	3.78	26.18	13.85--15.49	0.06	100.00	116.48--130.29	0.00	100.00
0.219--0.245	0.20	0.89	1.843--2.061	4.28	30.45	15.49--17.33	0.00	100.00	130.29--145.74	0.00	100.00
0.245--0.274	0.24	1.13	2.061--2.306	4.78	35.23	17.33--19.39	0.00	100.00	145.74--163.03	0.00	100.00
0.274--0.307	0.29	1.41	2.306--2.579	5.28	40.51	19.39--21.69	0.00	100.00	163.03--182.36	0.00	100.00
0.307--0.343	0.34	1.76	2.579--2.885	5.74	46.25	21.69--24.26	0.00	100.00	182.36--203.99	0.00	100.00
0.343--0.384	0.41	2.16	2.885--3.227	6.12	52.37	24.26--27.14	0.00	100.00	203.99--228.18	0.00	100.00
0.384--0.429	0.48	2.65	3.227--3.610	6.40	58.77	27.14--30.35	0.00	100.00	228.18--255.24	0.00	100.00
0.429--0.480	0.58	3.22	3.610--4.038	6.51	65.28	30.35--33.95	0.00	100.00	255.24--285.51	0.00	100.00
0.480--0.537	0.68	3.90	4.038--4.517	6.43	71.71	33.95--37.98	0.00	100.00	285.51--319.37	0.00	100.00
0.537--0.601	0.81	4.71	4.517--5.052	6.12	77.83	37.98--42.48	0.00	100.00	319.37--357.24	0.00	100.00
0.601--0.672	0.96	5.67	5.052--5.651	5.58	83.42	42.48--47.52	0.00	100.00	357.24--399.60	0.00	100.00
0.672--0.752	1.13	6.80	5.651--6.321	4.84	88.26	47.52--53.16	0.00	100.00	399.60--446.99	0.00	100.00
0.752--0.841	1.33	8.14	6.321--7.071	3.95	92.21	53.16--59.46	0.00	100.00	446.99--500.00	0.00	100.00