



TEST REPORT

Performed for: Miele
 IBR JN: 10222-A
 Date: March 14, 2009

Location: Princeton, NJ
 Contact: N. Gast

Test Method: Vacuum Cleaner Fractional Efficiency per ASTM F1977-04
 Flow Rate: 49 SCFM Sheath Air Flow Rate: 147 SCFM
 Conditions: Temp. 71F, Relative Humidity 47%, Barometric Pressure 732 mm Hg
 Instrumentation: HR 5230, S/N 041002003, Cal due May-09
 Contaminant: KCI Neutralized

Description of Sample: Dyson DC25 Upright Vacuum Cleaner TEST-1

Model: DC25 S/N: 481-US-B31038 Filters: As installed by manufacturer
 Date Samples Received: February 13, 2009 Sample Source: IBR Open Mkt Purchase

Time mins	Motor Status	Inject Status	Port	Particles/5ft3 at:(in microns)						
				0.3-0.4	0.4-0.5	0.5-0.6	0.6-0.8	0.8-1	1-2.5	2.5-3.75
5	off	off	Downstream	60	33	11	19	6	0	0
5	off	off	Downstream	58	28	10	21	14	1	0
5	off	off	Downstream	52	20	11	10	3	1	0
5	on	off	Downstream	4,756	3,820	1,100	644	320	400	72
5	on	off	Upstream	6	2	0	0	0	0	0
5	on	off	Downstream	5,280	4,180	1,092	528	296	344	120
5	on	off	Upstream	4	0	1	0	0	0	0
5	on	off	Downstream	5,000	3,864	1,184	584	324	436	104
5	on	off	Upstream	2	0	0	0	0	0	0
5	on	on	Upstream	7,959,840	6,206,700	1,363,590	412,050	95,910	44,220	1,380
5	on	on	Downstream	14,280	5,928	1,224	600	216	292	80
5	on	on	Upstream	7,676,400	5,758,440	1,246,440	345,540	88,500	39,330	1,140
5	on	on	Downstream	12,940	5,072	1,260	544	296	336	40
5	on	on	Upstream	7,785,690	5,988,750	1,263,510	364,950	93,150	41,160	1,410
5	on	on	Downstream	13,480	5,176	1,188	620	244	324	56
Total upstream				23,421,930	17,953,890	3,873,540	1,122,540	277,560	124,710	3,930
Total downstream				40,700	16,176	3,672	1,764	756	952	176
Net downstream				25,664	4,312	296	8	-184	-228	-120
Gross Efficiency				99.83	99.91	99.91	99.84	99.73	99.24	95.52
Net Efficiency				99.89	99.98	99.99	>99.99	>99.99	>99.99	>99.9

Notice: These data relate only to the samples tested. This report may be copied only in its entirety.

pg 1/3

Performed By: DN

Data Location: DN69

Reviewed By:

Susan H Goldsmith, Director of Technical Services

IBR 11599 Morrissey Rd Grass Lake MI USA 49240 Voice 517-522-8453

TEST REPORT

Performed for: Miele
 IBR JN: 10222-A
 Date: March 14, 2009

Location: Princeton, NJ
 Contact: N. Gast

Test Method: Vacuum Cleaner Fractional Efficiency per ASTM F1977-04
 Flow Rate: 49 SCFM Sheath Air Flow Rate: 147 SCFM
 Conditions: Temp. 71F, Relative Humidity 47%, Barometric Pressure 732 mm Hg
 Instrumentation: HR 5230, S/N 041002003, Cal due May-09
 Contaminant: KCI Neutralized

Description of Sample: Dyson DC25 Upright Vacuum Cleaner TEST-2

Model: DC25 S/N: 481-US-B31038 Filters: As installed by manufacturer
 Date Samples Received: February 13, 2009 Sample Source: IBR Open Mkt Purchase

Time mins	Motor Status	Inject Status	Port	Particles/5ft3 at:(in microns)						
				0.3-0.4	0.4-0.5	0.5-0.6	0.6-0.8	0.8-1	1-2.5	2.5-3.75
5	off	off	Downstream	23	11	11	0	3	1	1
5	off	off	Downstream	16	9	8	1	0	0	0
5	off	off	Downstream	17	8	6	2	3	1	0
5	on	off	Downstream	5,236	4,024	1,212	564	456	408	68
5	on	off	Upstream	16	6	3	2	2	1	3
5	on	off	Downstream	5,132	4,320	1,292	616	376	400	84
5	on	off	Upstream	3	2	0	0	0	0	0
5	on	off	Downstream	5,288	3,824	1,152	520	384	432	76
5	on	off	Upstream	10	5	1	1	0	0	0
5	on	on	Upstream	7,637,160	5,452,920	1,064,940	301,350	72,000	31,800	1,470
5	on	on	Downstream	13,696	5,868	1,264	548	376	280	32
5	on	on	Upstream	7,619,490	5,645,310	1,135,770	321,900	81,630	34,620	1,110
5	on	on	Downstream	13,268	5,636	1,572	584	352	328	48
5	on	on	Upstream	7,654,380	5,566,020	1,101,060	310,320	73,350	35,040	1,230
5	on	on	Downstream	13,276	5,272	1,388	508	388	324	44
Total upstream				22,911,030	16,664,250	3,301,770	933,570	226,980	101,460	3,810
Total downstream				40,240	16,776	4,224	1,640	1,116	932	124
Net downstream				24,584	4,608	568	-60	-100	-308	-104
Gross Efficiency				99.82	99.90	99.87	99.82	99.51	99.08	96.75
Net Efficiency				99.89	99.97	99.98	>99.99	>99.99	>99.99	>99.9

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 pg 2/3 Performed By: DN Data Location: DN69

Reviewed By: _____
 Susan H Goldsmith, Director of Technical Services
 IBR 11599 Morrissey Rd Grass Lake MI USA 49240 Voice 517-522-8453

TEST REPORT

Performed for: Miele
 IBR JN: 10222-A
 Date: March 14, 2009

Location: Princeton, NJ
 Contact: N. Gast

Test Method: Vacuum Cleaner Fractional Efficiency per ASTM F1977-04
 Flow Rate: 49 SCFM Sheath Air Flow Rate: 147 SCFM
 Conditions: Temp. 71F, Relative Humidity 47%, Barometric Pressure 732 mm Hg
 Instrumentation: HR 5230, S/N 041002003, Cal due May-09
 Contaminant: KCl Neutralized

Description of Sample: Dyson DC25 Upright Vacuum Cleaner TEST-3

Model: DC25 S/N: 481-US-B31038 Filters: As installed by manufacturer
 Date Samples Received: February 13, 2009 Sample Source: IBR Open Mkt Purchase

Time mins	Motor Status	Inject Status	Port	Particles/5ft3 at: (in microns)						
				0.3-0.4	0.4-0.5	0.5-0.6	0.6-0.8	0.8-1	1-2.5	2.5-3.75
5	off	off	Downstream	26	15	10	4	1	0	0
5	off	off	Downstream	21	13	8	3	1	0	0
5	off	off	Downstream	23	12	15	0	0	0	1
5	on	off	Downstream	5,400	4,784	1,224	832	448	280	68
5	on	off	Upstream	6	1	0	0	0	0	0
5	on	off	Downstream	5,052	4,468	1,328	740	380	336	148
5	on	off	Upstream	12	5	5	1	2	1	1
5	on	off	Downstream	5,144	5,180	1,168	940	404	268	120
5	on	off	Upstream	6	1	2	0	1	0	0
5	on	on	Upstream	7,585,290	5,412,240	1,036,950	286,290	68,610	32,340	960
5	on	on	Downstream	13,352	6,340	1,560	984	416	296	56
5	on	on	Upstream	7,434,120	5,226,690	1,001,640	271,710	65,850	31,590	990
5	on	on	Downstream	12,708	6,096	1,220	696	404	276	52
5	on	on	Upstream	7,500,930	5,301,120	991,680	272,610	67,170	31,230	960
5	on	on	Downstream	13,228	6,176	1,372	804	364	304	72
Total upstream				22,520,340	15,940,050	3,030,270	830,610	201,630	95,160	2,910
Total downstream				39,288	18,612	4,152	2,484	1,184	876	180
Net downstream				23,692	4,180	432	-28	-48	-8	-156
Gross Efficiency				99.83	99.88	99.86	99.70	99.41	99.08	93.81
Net Efficiency				99.89	99.97	99.99	>99.99	>99.99	>99.99	>99.9

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pg 3/3

Performed By: DN

Data Location: DN69

Reviewed By:

Susan H Goldsmith, Director of Technical Services

IBR 11599 Morrissey Rd Grass Lake MI USA 49240 Voice 517-522-8453



TEST REPORT

Performed for: Miele
 IBR JN: 10222-B
 Date: March 14, 2009

Location: Princeton, NJ
 Contact: N. Gast

Test Method: Vacuum Cleaner Fractional Efficiency per ASTM F1977-04
 Flow Rate: 49 SCFM Sheath Air Flow Rate: 147 SCFM
 Conditions: Temp. 72F, Relative Humidity 49%, Barometric Pressure 731 mm Hg
 Instrumentation: HR 5230, S/N 041002003, Cal due May-09
 Contaminant: KCl Neutralized

Description of Sample: Dyson DC25 Upright Vacuum Cleaner TEST-1

Model: DC25 S/N: 481-US-B31032 Filters: As installed by manufacturer
 Date Samples Received: February 13, 2009 Sample Source: IBR Open Mkt Purchase

Time mins	Motor Status	Inject Status	Port	Particles/5ft3 at:(in microns)						
				0.3-0.4	0.4-0.5	0.5-0.6	0.6-0.8	0.8-1	1-2.5	2.5-3.75
5	off	off	Downstream	23	13	13	2	1	3	1
5	off	off	Downstream	23	4	10	2	1	0	0
5	off	off	Downstream	28	12	14	1	4	3	1
5	on	off	Downstream	6,428	4,908	1,380	628	348	312	60
5	on	off	Upstream	25	13	3	2	2	3	3
5	on	off	Downstream	6,268	5,084	1,480	620	272	320	68
5	on	off	Upstream	8	3	1	0	1	0	0
5	on	off	Downstream	6,380	5,064	1,372	648	284	308	40
5	on	off	Upstream	7	2	1	1	0	0	0
5	on	on	Upstream	6,957,570	4,331,040	707,670	177,030	41,970	19,380	450
5	on	on	Downstream	12,368	5,148	1,188	544	268	320	40
5	on	on	Upstream	6,844,320	4,054,530	614,160	146,700	33,510	14,790	300
5	on	on	Downstream	11,844	5,652	1,404	640	332	268	52
5	on	on	Upstream	6,869,940	4,120,440	644,850	156,300	37,020	16,620	510
5	on	on	Downstream	12,648	5,676	1,344	612	260	288	44
Total upstream				20,671,830	12,506,010	1,966,680	480,030	112,500	50,790	1,260
Total downstream				36,860	16,476	3,936	1,796	860	876	136
Net downstream				17,784	1,420	-296	-100	-44	-64	-32
Gross Efficiency				99.82	99.87	99.80	99.63	99.24	98.28	89.21
Net Efficiency				99.91	99.99	>99.99	>99.99	>99.99	>99.99	>99.9

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 pg 1/3 Performed By: DN Data Location: DN69

Reviewed By: _____
 Susan H Goldsmith, Director of Technical Services
 IBR 11599 Morrissey Rd Grass Lake MI USA 49240 Voice 517-522-8453

TEST REPORT

Performed for: Miele
 IBR JN: 10222-B
 Date: March 14, 2009

Location: Princeton, NJ
 Contact: N. Gast

Test Method: Vacuum Cleaner Fractional Efficiency per ASTM F1977-04
 Flow Rate: 49 SCFM Sheath Air Flow Rate: 147 SCFM
 Conditions: Temp. 72F, Relative Humidity 49%, Barometric Pressure 731 mm Hg
 Instrumentation: HR 5230, S/N 041002003, Cal due May-09
 Contaminant: KCl Neutralized

Description of Sample: Dyson DC25 Upright Vacuum Cleaner TEST-2

Model: DC25 S/N: 481-US-B31032 Filters: As installed by manufacturer
 Date Samples Received: February 13, 2009 Sample Source: IBR Open Mkt Purchase

Time mins	Motor Status	Inject Status	Port	Particles/5ft3 at:(in microns)						
				0.3-0.4	0.4-0.5	0.5-0.6	0.6-0.8	0.8-1	1-2.5	2.5-3.75
5	off	off	Downstream	21	9	7	2	1	2	0
5	off	off	Downstream	31	13	9	3	0	0	0
5	off	off	Downstream	17	10	8	1	1	0	1
5	on	off	Downstream	6,236	5,108	1,272	748	304	364	88
5	on	off	Upstream	3	1	0	0	0	0	0
5	on	off	Downstream	6,580	4,952	1,328	868	260	428	76
5	on	off	Upstream	2	0	0	0	0	0	0
5	on	off	Downstream	6,360	5,036	1,252	776	296	372	96
5	on	off	Upstream	3	1	0	0	0	0	0
5	on	on	Upstream	6,589,770	3,692,760	546,270	128,520	29,610	14,010	330
5	on	on	Downstream	11,900	5,408	1,312	556	236	380	44
5	on	on	Upstream	6,713,790	3,539,400	504,180	114,510	26,040	12,420	810
5	on	on	Downstream	12,340	5,744	1,124	636	224	312	72
5	on	on	Upstream	6,629,820	3,822,030	586,560	136,410	31,770	14,310	360
5	on	on	Downstream	11,764	5,560	1,216	520	268	324	48
Total upstream				19,933,380	11,054,190	1,637,010	379,440	87,420	40,740	1,500
Total downstream				36,004	16,712	3,652	1,712	728	1,016	164
Net downstream				16,828	1,616	-200	-680	-132	-148	-96
Gross Efficiency				99.82	99.85	99.78	99.55	99.17	97.51	89.07
Net Efficiency				99.92	99.99	>99.99	>99.99	>99.99	>99.99	>99.9

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 pg 2/3 Performed By: DN Data Location: DN69

Reviewed By: _____
 Susan H Goldsmith, Director of Technical Services
 IBR 11599 Morrissey Rd Grass Lake MI USA 49240 Voice 517-522-8453

TEST REPORT

Performed for: Miele
 IBR JN: 10222-B
 Date: March 14, 2009

Location: Princeton, NJ
 Contact: N. Gast

Test Method: Vacuum Cleaner Fractional Efficiency per ASTM F1977-04
 Flow Rate: 49 SCFM Sheath Air Flow Rate: 147 SCFM
 Conditions: Temp. 72F, Relative Humidity 49%, Barometric Pressure 731 mm Hg
 Instrumentation: HR 5230, S/N 041002003, Cal due May-09
 Contaminant: KCl Neutralized

Description of Sample: Dyson DC25 Upright Vacuum Cleaner TEST-3

Model: DC25 S/N: 481-US-B31032 Filters: As installed by manufacturer
 Date Samples Received: February 13, 2009 Sample Source: IBR Open Mkt Purchase

Time mins	Motor Status	Inject Status	Port	Particles/5ft3 at:(in microns)						
				0.3-0.4	0.4-0.5	0.5-0.6	0.6-0.8	0.8-1	1-2.5	2.5-3.75
5	off	off	Downstream	25	12	8	0	0	0	0
5	off	off	Downstream	12	10	10	5	1	0	1
5	off	off	Downstream	27	11	15	1	0	0	0
5	on	off	Downstream	6,664	5,380	1,720	852	344	340	48
5	on	off	Upstream	5	1	0	0	0	0	0
5	on	off	Downstream	7,200	5,204	1,504	760	332	320	68
5	on	off	Upstream	3	1	0	0	0	0	0
5	on	off	Downstream	7,080	5,260	1,640	788	404	376	64
5	on	off	Upstream	7	3	2	0	1	0	1
5	on	on	Upstream	6,356,220	3,288,240	434,280	89,100	21,930	10,380	990
5	on	on	Downstream	11,868	5,776	1,560	612	204	284	52
5	on	on	Upstream	6,212,040	3,141,270	386,730	82,170	18,510	9,720	1,170
5	on	on	Downstream	12,424	5,972	1,364	700	364	260	48
5	on	on	Upstream	6,407,130	3,230,190	432,030	95,910	21,720	10,230	870
5	on	on	Downstream	12,288	5,844	1,464	780	472	324	68
Total upstream				18,975,390	9,659,700	1,253,040	267,180	62,160	30,330	3,030
Total downstream				36,580	17,592	4,388	2,092	1,040	868	168
Net downstream				15,636	1,748	-476	-308	-40	-168	-12
Gross Efficiency				99.81	99.82	99.65	99.22	98.33	97.14	94.46
Net Efficiency				99.92	99.98	>99.99	>99.99	>99.99	>99.99	>99.9

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 pg 3/3 Performed By: DN Data Location: DN69

Reviewed By: _____
 Susan H Goldsmith, Director of Technical Services
 IBR 11599 Morrissey Rd Grass Lake MI USA 49240 Voice 517-522-8453



TEST REPORT

Performed for: Miele
 IBR JN: 10222-C
 Date: March 14, 2009

Location: Princeton, NJ
 Contact: N. Gast

Test Method: Vacuum Cleaner Fractional Efficiency per ASTM F1977-04
 Flow Rate: 49 SCFM Sheath Air Flow Rate: 147 SCFM
 Conditions: Temp. 73F, Relative Humidity 48%, Barometric Pressure 731 mm Hg
 Instrumentation: HR 5230, S/N 041002003, Cal due May-09
 Contaminant: KCI Neutralized

Description of Sample: Dyson DC25 Upright Vacuum Cleaner TEST-1

Model: DC25 S/N: 481-US-B31035 Filters: As installed by manufacturer
 Date Samples Received: February 13, 2009 Sample Source: IBR Open Mkt Purchase

Time mins	Motor Status	Inject Status	Port	Particles/5ft3 at:(in microns)						
				0.3-0.4	0.4-0.5	0.5-0.6	0.6-0.8	0.8-1	1-2.5	2.5-3.75
5	off	off	Downstream	27	9	14	2	2	1	3
5	off	off	Downstream	29	13	9	3	1	0	0
5	off	off	Downstream	30	9	17	0	2	0	1
5	on	off	Downstream	3,556	2,476	740	468	348	948	64
5	on	off	Upstream	6	2	1	0	0	0	0
5	on	off	Downstream	3,108	2,224	656	316	176	264	100
5	on	off	Upstream	3	1	0	0	0	0	0
5	on	off	Downstream	3,304	2,300	820	400	220	376	80
5	on	off	Upstream	5	1	0	0	0	0	0
5	on	on	Upstream	8,571,000	6,730,560	1,513,650	480,450	131,820	64,290	1,890
5	on	on	Downstream	13,884	4,388	928	396	212	352	68
5	on	on	Upstream	8,581,650	6,425,580	1,353,810	400,950	102,450	49,170	1,350
5	on	on	Downstream	13,116	3,484	880	420	208	272	52
5	on	on	Upstream	8,557,470	6,575,010	1,409,910	430,470	111,540	54,240	1,530
5	on	on	Downstream	13,724	3,812	996	404	220	304	56
Total upstream				25,710,120	19,731,150	4,277,370	1,311,870	345,810	167,700	4,770
Total downstream				40,724	11,684	2,804	1,220	640	928	176
Net downstream				30,756	4,684	588	36	-104	-660	-68
Gross Efficiency				99.84	99.94	99.93	99.91	99.81	99.45	96.31
Net Efficiency				99.88	99.98	99.99	>99.99	>99.99	>99.99	>99.9

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Performed By: DN

Data Location: DN69

Reviewed By:

 Susan H Goldsmith, Director of Technical Services

IBR 11599 Morrissey Rd Grass Lake MI USA 49240 Voice 517-522-8453

TEST REPORT

Performed for: Miele
 IBR JN: 10222-C
 Date: March 14, 2009

Location: Princeton, NJ
 Contact: N. Gast

Test Method: Vacuum Cleaner Fractional Efficiency per ASTM F1977-04
 Flow Rate: 49 SCFM Sheath Air Flow Rate: 147 SCFM
 Conditions: Temp. 73F, Relative Humidity 48%, Barometric Pressure 731 mm Hg
 Instrumentation: HR 5230, S/N 041002003, Cal due May-09
 Contaminant: KCl Neutralized

Description of Sample: Dyson DC25 Upright Vacuum Cleaner TEST-2

Model: DC25 S/N: 481-US-B31035 Filters: As installed by manufacturer
 Date Samples Received: February 13, 2009 Sample Source: IBR Open Mkt Purchase

Time mins	Motor Status	Inject Status	Port	Particles/5ft3 at:(in microns)						
				0.3-0.4	0.4-0.5	0.5-0.6	0.6-0.8	0.8-1	1-2.5	2.5-3.75
5	off	off	Downstream	20	11	16	1	0	0	0
5	off	off	Downstream	26	11	18	2	1	0	0
5	off	off	Downstream	15	16	11	0	2	1	0
5	on	off	Downstream	3,212	2,580	736	408	152	220	52
5	on	off	Upstream	1	0	0	0	0	0	0
5	on	off	Downstream	2,684	2,256	592	336	164	172	32
5	on	off	Upstream	2	1	0	0	0	0	0
5	on	off	Downstream	2,940	2,412	696	404	188	216	40
5	on	off	Upstream	10	3	1	0	0	0	0
5	on	on	Upstream	8,448,180	6,186,150	1,264,230	368,520	94,830	44,490	840
5	on	on	Downstream	12,528	4,112	812	328	164	184	48
5	on	on	Upstream	8,076,570	5,768,040	1,143,000	332,700	81,630	40,200	870
5	on	on	Downstream	12,264	4,072	924	368	148	196	32
5	on	on	Upstream	8,278,650	5,983,980	1,198,020	343,410	90,120	41,160	990
5	on	on	Downstream	12,988	4,280	840	340	160	168	36
Total upstream				24,803,400	17,938,170	3,605,250	1,044,630	266,580	125,850	2,700
Total downstream				37,780	12,464	2,576	1,036	472	548	116
Net downstream				28,944	5,216	552	-112	-32	-60	-8
Gross Efficiency				99.85	99.93	99.93	99.90	99.82	99.56	95.70
Net Efficiency				99.88	99.97	99.98	>99.99	>99.99	>99.99	>99.9

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TEST REPORT

Performed for: Miele
 IBR JN: 10222-C
 Date: March 14, 2009

Location: Princeton, NJ
 Contact: N. Gast

Test Method: Vacuum Cleaner Fractional Efficiency per ASTM F1977-04
 Flow Rate: 49 SCFM Sheath Air Flow Rate: 147 SCFM
 Conditions: Temp. 73F, Relative Humidity 48%, Barometric Pressure 731 mm Hg
 Instrumentation: HR 5230, S/N 041002003, Cal due May-09
 Contaminant: KCl Neutralized

Description of Sample: Dyson DC25 Upright Vacuum Cleaner TEST-3

Model: DC25 S/N: 481-US-B31035 Filters: As installed by manufacturer
 Date Samples Received: February 13, 2009 Sample Source: IBR Open Mkt Purchase

Time mins	Motor Status	Inject Status	Port	Particles/5ft3 at:(in microns)						
				0.3-0.4	0.4-0.5	0.5-0.6	0.6-0.8	0.8-1	1-2.5	2.5-3.75
5	off	off	Downstream	19	17	19	1	0	0	1
5	off	off	Downstream	27	13	9	1	0	0	0
5	off	off	Downstream	24	10	11	5	3	1	0
5	on	off	Downstream	2,708	2,232	628	324	128	148	20
5	on	off	Upstream	6	3	1	0	1	0	1
5	on	off	Downstream	3,088	2,376	772	284	144	124	16
5	on	off	Upstream	2	0	0	0	0	0	0
5	on	off	Downstream	2,764	2,188	676	324	112	144	24
5	on	off	Upstream	5	1	0	0	1	0	0
5	on	on	Upstream	7,901,190	5,564,940	1,091,460	310,020	79,770	35,700	1,050
5	on	on	Downstream	12,508	3,996	892	332	132	112	8
5	on	on	Upstream	8,279,250	5,508,540	1,014,090	275,070	70,350	29,100	960
5	on	on	Downstream	12,692	4,328	988	364	152	164	16
5	on	on	Upstream	7,841,310	5,518,470	1,042,410	297,840	73,800	32,910	1,020
5	on	on	Downstream	12,396	4,112	784	356	116	120	16
Total upstream				24,021,750	16,591,950	3,147,960	882,930	223,920	97,710	3,030
Total downstream				37,596	12,436	2,664	1,052	400	396	40
Net downstream				29,036	5,640	588	120	16	-20	-20
Gross Efficiency				99.84	99.93	99.92	99.88	99.82	99.59	98.68
Net Efficiency				99.88	99.97	99.98	99.99	99.99	>99.99	>99.9

Notice: These data relate only to the samples tested. This report may be copied only in its entirety.
 pg 3/3 Performed By: DN Data Location: DN69

Reviewed By: _____
 Susan H Goldsmith, Director of Technical Services
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