

INFORME MENSUAL SOBRE LAS ESPECIFICACIONES DEL GAS NATURAL



(Valores promedio diarios)

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|---------------------------|--|
| PERMISIONARIO: | Fermaca Pipeline La Laguna, S. de R.L. de C.V. |
| PUNTO DE MEDICIÓN: | Aguascalientes |
| ZONA DE MEDICIÓN: | RESTO DEL PAÍS |

| FECHA: (dd/mm/aa) | Metano (% vol) | Bióxido de Carbono (% vol) | Nitrógeno (% vol) | Total Inertes (% vol) | Etano (% vol) | Temperatura de Rocio (K) | Humedad (mg/m ³) | Poder Calorífico (MJ/m ³) | Índice Wobbe (MJ/m ³) | Acido Sulfhídrico (mg/m ³) | Azufre total* (mg/m ³) | Oxígeno* (% vol) |
|----------------------|-------------------|----------------------------------|----------------------|--------------------------|------------------|--------------------------------|---------------------------------|---|--------------------------------------|--|---------------------------------------|---------------------|
| 01/12/2021 | 96.6585 | 0.1177 | 1.2331 | 1.3508 | 1.9540 | 233.7234 | 16.5079 | 37.8501 | 50.0935 | 0.7321 | 1.0000 | 0.0050 |
| 02/12/2021 | 97.0862 | 0.1163 | 1.2587 | 1.3750 | 1.5067 | 233.6546 | 16.5858 | 37.7106 | 50.0023 | 0.7733 | | |
| 03/12/2021 | 97.0850 | 0.1214 | 1.2767 | 1.3981 | 1.4823 | 233.7774 | 16.6788 | 37.6966 | 49.9822 | 0.8113 | | |
| 04/12/2021 | 97.0616 | 0.1004 | 1.2955 | 1.3959 | 1.5123 | 233.4747 | 17.0817 | 37.7031 | 49.9921 | 0.8479 | | |
| 05/12/2021 | 97.0440 | 0.0998 | 1.2901 | 1.3899 | 1.5343 | 233.7439 | 16.5196 | 37.7129 | 50.0007 | 0.8567 | | |
| 06/12/2021 | 96.7661 | 0.0971 | 1.2996 | 1.3966 | 1.7976 | 233.9562 | 16.3950 | 37.7901 | 50.0427 | 0.7813 | | |
| 07/12/2021 | 96.8557 | 0.0981 | 1.3097 | 1.4078 | 1.6916 | 233.0319 | 16.4029 | 37.7592 | 50.0194 | 0.4513 | | |
| 08/12/2021 | 96.7238 | 0.1050 | 1.3745 | 1.4795 | 1.7575 | 232.5023 | 16.4533 | 37.7470 | 49.9774 | 0.3321 | | |
| 09/12/2021 | 96.5145 | 0.1008 | 1.3612 | 1.4619 | 1.9638 | 232.4722 | 16.0454 | 37.8253 | 50.0316 | 0.3308 | | |
| 10/12/2021 | 96.5749 | 0.0727 | 1.3849 | 1.4576 | 1.9269 | 232.4765 | 15.5654 | 37.8046 | 50.0286 | 0.3308 | | |
| 11/12/2021 | 96.1442 | 0.0911 | 1.3718 | 1.4630 | 2.3454 | 232.7267 | 16.0179 | 37.9262 | 50.0916 | 0.3225 | | |
| 12/12/2021 | 95.6842 | 0.0888 | 1.4627 | 1.5515 | 2.7056 | 233.1761 | 15.7004 | 38.0023 | 50.0951 | 0.3104 | | |
| 13/12/2021 | 96.2985 | 0.0637 | 1.3746 | 1.4383 | 2.2206 | 233.0423 | 15.6200 | 37.8968 | 50.0928 | 0.3092 | | |
| 14/12/2021 | 96.0745 | 0.0760 | 1.4109 | 1.4869 | 2.3903 | 233.1751 | 15.7354 | 37.9303 | 50.0866 | 0.3067 | | |
| 15/12/2021 | 96.0969 | 0.0739 | 1.4233 | 1.4971 | 2.3469 | 233.2488 | 16.4829 | 37.9208 | 50.0769 | 0.2983 | | |
| 16/12/2021 | 95.9438 | 0.0771 | 1.4312 | 1.5083 | 2.4867 | 233.6174 | 16.8629 | 37.9580 | 50.0923 | 0.3104 | | |
| 17/12/2021 | 95.9863 | 0.1037 | 1.3408 | 1.4445 | 2.5141 | 233.4391 | 16.7354 | 37.9862 | 50.1316 | 0.3042 | | |
| 18/12/2021 | 96.0543 | 0.0939 | 1.4120 | 1.5060 | 2.3833 | 233.4170 | 19.3825 | 37.9268 | 50.0714 | 0.3183 | | |
| 19/12/2021 | 96.6603 | 0.0834 | 1.3096 | 1.3930 | 1.9109 | 233.4072 | 19.8804 | 37.8213 | 50.0656 | 0.2908 | | |
| 20/12/2021 | 96.5133 | 0.1023 | 1.2768 | 1.3791 | 2.0504 | 233.7665 | 19.6229 | 37.8803 | 50.1014 | 0.3817 | | |
| 21/12/2021 | 95.8699 | 0.0997 | 1.3286 | 1.4283 | 2.6132 | 233.8539 | 19.5442 | 38.0451 | 50.1737 | 0.2875 | | |
| 22/12/2021 | 95.6178 | 0.1064 | 1.3508 | 1.4573 | 2.8711 | 234.1620 | 19.6438 | 38.0821 | 50.1802 | 0.2946 | | |
| 23/12/2021 | 95.7593 | 0.0903 | 1.3252 | 1.4155 | 2.7384 | 234.1183 | 19.6146 | 38.0801 | 50.2020 | 0.3008 | | |
| 24/12/2021 | 95.9372 | 0.0944 | 1.2989 | 1.3933 | 2.6135 | 233.9501 | 19.6779 | 38.0340 | 50.1850 | 0.2892 | | |
| 25/12/2021 | 95.6643 | 0.1002 | 1.3011 | 1.4013 | 2.8840 | 234.3443 | 20.0554 | 38.1051 | 50.2208 | 0.3058 | | |
| 26/12/2021 | 95.7600 | 0.1081 | 1.2487 | 1.3569 | 2.8120 | 234.3627 | 20.3313 | 38.1154 | 50.2451 | 0.3063 | | |
| 27/12/2021 | 95.2083 | 0.1034 | 1.3930 | 1.4964 | 3.2231 | 234.3607 | 20.2654 | 38.1788 | 50.2184 | 0.3008 | | |
| 28/12/2021 | 95.4854 | 0.1104 | 1.3632 | 1.4735 | 2.9743 | 233.8812 | 20.0667 | 38.1137 | 50.1898 | 0.3158 | | |
| 29/12/2021 | 95.5009 | 0.1043 | 1.3410 | 1.4453 | 2.9981 | 233.1203 | 19.5746 | 38.1251 | 50.2109 | 0.3142 | | |
| 30/12/2021 | 96.0602 | 0.1012 | 1.3166 | 1.4179 | 2.4799 | 233.2894 | 19.3800 | 37.9783 | 50.1401 | 0.3104 | | |
| 31/12/2021 | 96.0283 | 0.1173 | 1.2867 | 1.4039 | 2.5240 | 233.0457 | 19.6542 | 37.9974 | 50.1536 | 0.3008 | | |

*/ Los valores trimestrales se deberán reportar en los meses de enero, abril, julio y octubre de cada año, respecto del trimestre inmediato anterior.

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|-------------------|---------|--------|--------|--------|--------|----------|---------|---------|---------|--------|--|--|
| Mínimo | 95.2083 | 0.0637 | 1.2331 | 1.3508 | 1.4823 | 232.4722 | 15.5654 | 37.6966 | 49.9774 | 0.2875 | | |
| Promedio | 96.2167 | 0.0974 | 1.3371 | 1.4345 | 2.2972 | 233.4941 | 17.8737 | 37.9259 | 50.1031 | 0.4105 | | |
| Máximo | 97.0862 | 0.1214 | 1.4627 | 1.5515 | 3.2231 | 234.3627 | 20.3313 | 38.1788 | 50.2451 | 0.8567 | | |
| Desv. Est. | 0.5310 | 0.0140 | 0.0574 | 0.0496 | 0.4991 | 0.5418 | 1.7866 | 0.1433 | 0.0790 | 0.1975 | | |

Observaciones:

INFORME MENSUAL SOBRE LAS ESPECIFICACIONES DEL GAS NATURAL

(Registros máximos diarios)



PERMISIONARIO:

Fermaca Pipeline La Laguna, S. de R.L. de C.V.

PUNTO DE MEDICIÓN:

Aguascalientes

ZONA DE MEDICIÓN:

RESTO DEL PAÍS

| FECHA: (dd/mm/aa) | Metano (% vol) | Bióxido de Carbono (% vol) | Nitrógeno (% vol) | Total Inertes (% vol) | Etano (% vol) | Temperatura de Rocio (K) | Humedad (mg/m ³) | Poder Calorífico (MJ/m ³) | Índice Wobbe (MJ/m ³) | Acido Sulfhídrico (mg/m ³) |
|----------------------|-------------------|-------------------------------|----------------------|--------------------------|------------------|--------------------------------|---------------------------------|--|--------------------------------------|---|
| 01/12/2021 | 96.8405 | 0.1304 | 1.2942 | 1.4114 | 2.0801 | 234.4326 | 20.1800 | 37.8913 | 50.1238 | 0.8200 |
| 02/12/2021 | 97.2999 | 0.1242 | 1.2957 | 1.4122 | 1.7519 | 234.5146 | 20.3400 | 37.7842 | 50.0473 | 0.9100 |
| 03/12/2021 | 97.1912 | 0.1281 | 1.3012 | 1.4218 | 1.5776 | 234.6258 | 20.7200 | 37.7229 | 50.0104 | 0.9300 |
| 04/12/2021 | 97.2083 | 0.1078 | 1.3301 | 1.4253 | 1.5847 | 234.4570 | 21.1400 | 37.7253 | 50.0090 | 0.9400 |
| 05/12/2021 | 97.2787 | 0.1118 | 1.3499 | 1.4436 | 1.6988 | 234.4671 | 20.3200 | 37.7672 | 50.0624 | 0.9600 |
| 06/12/2021 | 96.8920 | 0.1233 | 1.3174 | 1.4084 | 1.9378 | 234.6229 | 20.4600 | 37.8286 | 50.0698 | 0.8900 |
| 07/12/2021 | 97.0912 | 0.1072 | 1.4212 | 1.5061 | 2.0514 | 233.9164 | 20.4000 | 37.8810 | 50.1122 | 0.8100 |
| 08/12/2021 | 97.0567 | 0.1214 | 1.4326 | 1.5113 | 2.1850 | 233.3124 | 20.5300 | 37.8744 | 50.0479 | 0.3600 |
| 09/12/2021 | 96.8506 | 0.1132 | 1.4095 | 1.5071 | 2.2989 | 233.2153 | 20.1600 | 37.9114 | 50.0650 | 0.3700 |
| 10/12/2021 | 96.8551 | 0.0937 | 1.4475 | 1.5166 | 2.2237 | 233.0946 | 18.0400 | 37.8870 | 50.0651 | 0.3500 |
| 11/12/2021 | 96.5359 | 0.1103 | 1.4005 | 1.5099 | 2.7842 | 233.5510 | 19.8400 | 38.0337 | 50.1368 | 0.3500 |
| 12/12/2021 | 96.3917 | 0.0990 | 1.5122 | 1.5973 | 3.0345 | 233.9157 | 18.0200 | 38.0826 | 50.1258 | 0.3500 |
| 13/12/2021 | 96.7097 | 0.0826 | 1.4001 | 1.4700 | 2.6737 | 233.8156 | 17.7400 | 38.0166 | 50.1427 | 0.3300 |
| 14/12/2021 | 96.3709 | 0.0803 | 1.4453 | 1.5208 | 2.6884 | 233.9155 | 17.8200 | 38.0036 | 50.1295 | 0.3400 |
| 15/12/2021 | 96.3517 | 0.0807 | 1.4757 | 1.5519 | 2.8558 | 234.0070 | 21.0600 | 38.0603 | 50.1312 | 0.3300 |
| 16/12/2021 | 96.2070 | 0.0874 | 1.4540 | 1.5280 | 2.6400 | 234.5027 | 21.3100 | 38.0066 | 50.1303 | 0.3400 |
| 17/12/2021 | 96.2360 | 0.1496 | 1.3835 | 1.4790 | 2.8388 | 234.0133 | 20.8600 | 38.0874 | 50.1886 | 0.3300 |
| 18/12/2021 | 96.4430 | 0.1093 | 1.4598 | 1.5494 | 2.5788 | 234.0802 | 22.7500 | 38.0129 | 50.1527 | 0.3500 |
| 19/12/2021 | 96.9841 | 0.1029 | 1.3702 | 1.4604 | 2.3390 | 234.0398 | 21.9000 | 37.9417 | 50.1576 | 0.3300 |
| 20/12/2021 | 96.7866 | 0.1097 | 1.3193 | 1.4207 | 2.4522 | 234.5321 | 25.9300 | 38.0018 | 50.1612 | 0.7800 |
| 21/12/2021 | 96.2810 | 0.1096 | 1.4005 | 1.5055 | 2.9021 | 234.5481 | 22.3600 | 38.1581 | 50.2545 | 0.3200 |
| 22/12/2021 | 95.9372 | 0.1260 | 1.4376 | 1.5254 | 3.2110 | 234.9911 | 22.1800 | 38.1556 | 50.2110 | 0.3300 |
| 23/12/2021 | 96.1794 | 0.1150 | 1.3789 | 1.4587 | 3.4859 | 235.1338 | 21.8400 | 38.5034 | 50.4681 | 0.3400 |
| 24/12/2021 | 96.3062 | 0.1092 | 1.3516 | 1.4469 | 3.5246 | 234.9877 | 21.6800 | 38.3400 | 50.3838 | 0.3200 |
| 25/12/2021 | 96.0603 | 0.1110 | 1.3463 | 1.4408 | 3.0779 | 235.6363 | 21.9700 | 38.1735 | 50.2785 | 0.3600 |
| 26/12/2021 | 96.2184 | 0.1131 | 1.3044 | 1.4105 | 3.4896 | 235.4311 | 22.1700 | 38.3872 | 50.4122 | 0.3400 |
| 27/12/2021 | 96.0173 | 0.1143 | 1.4292 | 1.5289 | 3.6528 | 235.2122 | 22.9800 | 38.2915 | 50.2687 | 0.3300 |
| 28/12/2021 | 95.7119 | 0.1185 | 1.4323 | 1.5360 | 3.4606 | 235.1021 | 22.7900 | 38.2417 | 50.2434 | 0.3500 |
| 29/12/2021 | 95.9015 | 0.1158 | 1.3666 | 1.4681 | 3.1283 | 234.0041 | 21.9200 | 38.1768 | 50.2428 | 0.3500 |
| 30/12/2021 | 96.3404 | 0.1174 | 1.3558 | 1.4664 | 2.9341 | 234.3470 | 21.9300 | 38.0916 | 50.1872 | 0.3400 |
| 31/12/2021 | 96.3452 | 0.1498 | 1.3308 | 1.4262 | 3.0227 | 233.9045 | 21.8600 | 38.1416 | 50.2273 | 0.3200 |

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|---------------|---------|--------|--------|--------|--------|----------|---------|---------|---------|--------|
| Máximo | 97.2999 | 0.1498 | 1.5122 | 1.5973 | 3.6528 | 235.6363 | 25.9300 | 38.5034 | 50.4681 | 0.9600 |
|---------------|---------|--------|--------|--------|--------|----------|---------|---------|---------|--------|

Observaciones:

INFORME MENSUAL SOBRE LAS ESPECIFICACIONES DEL GAS NATURAL

(Registros mínimos diarios)



PERMISIONARIO:

Fermaca Pipeline La Laguna, S. de R.L. de C.V.

PUNTO DE MEDICIÓN:

Aguascalientes

ZONA DE MEDICIÓN:

RESTO DEL PAÍS

| FECHA: (dd/mm/aa) | Metano (% vol) | Bióxido de Carbono (% vol) | Nitrógeno (% vol) | Total Inertes (% vol) | Etano (% vol) | Temperatura de Rocio (K) | Humedad (mg/m ³) | Poder Calorífico (MJ/m ³) | Índice Wobbe (MJ/m ³) | Acido Sulfhídrico (mg/m ³) |
|----------------------|-------------------|-------------------------------|----------------------|--------------------------|------------------|--------------------------------|---------------------------------|--|--------------------------------------|---|
| 01/12/2021 | 96.5304 | 0.0979 | 1.1789 | 1.2988 | 1.8191 | 233.2708 | 15.1500 | 37.7999 | 50.0366 | 0.6600 |
| 02/12/2021 | 96.8420 | 0.1060 | 1.2227 | 1.3393 | 1.3137 | 233.2778 | 14.9700 | 37.6507 | 49.9610 | 0.7100 |
| 03/12/2021 | 96.9593 | 0.1070 | 1.2461 | 1.3678 | 1.3745 | 233.1789 | 15.0200 | 37.6618 | 49.9590 | 0.7300 |
| 04/12/2021 | 96.9866 | 0.0924 | 1.2767 | 1.3795 | 1.3608 | 232.8772 | 14.8700 | 37.6571 | 49.9627 | 0.7300 |
| 05/12/2021 | 96.8886 | 0.0936 | 1.2187 | 1.3168 | 1.3218 | 233.2440 | 14.9000 | 37.6616 | 49.9675 | 0.7300 |
| 06/12/2021 | 96.6158 | 0.0856 | 1.2715 | 1.3726 | 1.6615 | 233.2007 | 14.7500 | 37.7516 | 50.0170 | 0.6900 |
| 07/12/2021 | 96.5357 | 0.0845 | 1.2367 | 1.3404 | 1.4428 | 232.3548 | 14.7500 | 37.6649 | 49.9294 | 0.3000 |
| 08/12/2021 | 96.2800 | 0.0785 | 1.3187 | 1.4372 | 1.4540 | 231.9407 | 14.6500 | 37.6666 | 49.9273 | 0.3100 |
| 09/12/2021 | 96.1392 | 0.0883 | 1.3060 | 1.3971 | 1.7184 | 232.0246 | 14.5900 | 37.7638 | 49.9829 | 0.3100 |
| 10/12/2021 | 96.2462 | 0.0594 | 1.3081 | 1.4010 | 1.7080 | 232.1080 | 14.3400 | 37.7599 | 50.0086 | 0.3100 |
| 11/12/2021 | 95.6585 | 0.0754 | 1.3420 | 1.4244 | 1.9772 | 232.0757 | 14.5600 | 37.8424 | 50.0494 | 0.2800 |
| 12/12/2021 | 95.3031 | 0.0758 | 1.3384 | 1.4142 | 2.1519 | 232.5760 | 14.6100 | 37.8861 | 50.0292 | 0.2800 |
| 13/12/2021 | 95.8103 | 0.0531 | 1.3246 | 1.3968 | 1.8347 | 232.4574 | 14.6200 | 37.7951 | 50.0462 | 0.2900 |
| 14/12/2021 | 95.7408 | 0.0679 | 1.3904 | 1.4627 | 2.1198 | 232.5533 | 14.7600 | 37.8558 | 50.0434 | 0.2800 |
| 15/12/2021 | 95.5078 | 0.0659 | 1.3894 | 1.4613 | 2.1381 | 232.7558 | 14.7900 | 37.8625 | 50.0465 | 0.2800 |
| 16/12/2021 | 95.7597 | 0.0709 | 1.3597 | 1.4471 | 2.2725 | 233.0593 | 14.7000 | 37.8977 | 50.0718 | 0.2700 |
| 17/12/2021 | 95.6829 | 0.0838 | 1.2529 | 1.3906 | 2.2703 | 232.8053 | 14.8300 | 37.9176 | 50.0961 | 0.2700 |
| 18/12/2021 | 95.8987 | 0.0781 | 1.3402 | 1.4361 | 2.0671 | 232.9640 | 15.0100 | 37.8449 | 50.0207 | 0.2900 |
| 19/12/2021 | 96.2225 | 0.0376 | 1.2762 | 1.3535 | 1.5946 | 232.9110 | 15.1900 | 37.7283 | 50.0101 | 0.2600 |
| 20/12/2021 | 96.0635 | 0.0970 | 1.2168 | 1.3214 | 1.8517 | 233.1894 | 15.7300 | 37.8150 | 50.0567 | 0.2400 |
| 21/12/2021 | 95.5659 | 0.0880 | 1.2755 | 1.3711 | 2.2578 | 233.4568 | 16.2700 | 37.9316 | 50.1196 | 0.2400 |
| 22/12/2021 | 95.2056 | 0.0878 | 1.2971 | 1.3997 | 2.5870 | 233.5924 | 16.2200 | 38.0082 | 50.1479 | 0.2500 |
| 23/12/2021 | 94.7653 | 0.0726 | 1.2658 | 1.3553 | 2.3910 | 233.6028 | 15.8400 | 37.9734 | 50.1411 | 0.2600 |
| 24/12/2021 | 95.0372 | 0.0889 | 1.2387 | 1.3390 | 2.2468 | 233.5332 | 15.7700 | 37.9233 | 50.1156 | 0.2500 |
| 25/12/2021 | 95.5001 | 0.0889 | 1.2540 | 1.3562 | 2.4681 | 233.3832 | 16.0400 | 37.9717 | 50.1344 | 0.2600 |
| 26/12/2021 | 94.9887 | 0.1029 | 1.2076 | 1.3179 | 2.3932 | 233.4935 | 16.3300 | 37.9798 | 50.1660 | 0.2700 |
| 27/12/2021 | 94.7612 | 0.0946 | 1.2783 | 1.3844 | 2.5492 | 233.5533 | 16.1700 | 38.0152 | 50.1739 | 0.2600 |
| 28/12/2021 | 94.9338 | 0.1009 | 1.3366 | 1.4458 | 2.7680 | 232.8037 | 16.2600 | 38.0599 | 50.1605 | 0.2800 |
| 29/12/2021 | 95.3685 | 0.0985 | 1.3123 | 1.4124 | 2.5994 | 232.6455 | 16.3300 | 38.0034 | 50.1366 | 0.2700 |
| 30/12/2021 | 95.5692 | 0.0939 | 1.2945 | 1.3921 | 2.2252 | 232.6764 | 15.9400 | 37.9122 | 50.1118 | 0.2800 |
| 31/12/2021 | 95.5201 | 0.0911 | 1.2330 | 1.3783 | 2.1930 | 232.2668 | 16.2400 | 37.8939 | 50.0911 | 0.2600 |

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|---------------|---------|--------|--------|--------|--------|----------|---------|---------|---------|--------|
| Mínimo | 94.7612 | 0.0376 | 1.1789 | 1.2988 | 1.3137 | 231.9407 | 14.3400 | 37.6507 | 49.9273 | 0.2400 |
|---------------|---------|--------|--------|--------|--------|----------|---------|---------|---------|--------|

Observaciones: