

INFORME MENSUAL SOBRE LAS ESPECIFICACIONES DEL GAS NATURAL



(Valores promedio diarios)

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

| 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) |
|----------------------|-------------------|----------------------------------|----------------------|--------------------------|------------------|--------------------------------|---------------------------------|---|--------------------------------------|--|---------------------------------------|---------------------|
| 01/01/2021 | 93.7411 | 0.0714 | 1.5874 | 1.6588 | 4.4922 | 237.3235 | 15.5292 | 38.5005 | 50.3356 | 0.6350 | | |
| 02/01/2021 | 93.6539 | 0.0588 | 1.5703 | 1.6291 | 4.5820 | 237.3710 | 15.8992 | 38.5514 | 50.3816 | 0.6517 | | |
| 03/01/2021 | 94.0319 | 0.0543 | 1.5477 | 1.6020 | 4.2823 | 237.3509 | 15.9846 | 38.4470 | 50.3355 | 0.6796 | | |
| 04/01/2021 | 94.0941 | 0.0600 | 1.5416 | 1.6016 | 4.2282 | 237.6888 | 15.6088 | 38.4272 | 50.3228 | 0.6954 | | |
| 05/01/2021 | 93.9132 | 0.0537 | 1.5492 | 1.6029 | 4.3836 | 238.4444 | 15.8104 | 38.4854 | 50.3572 | 0.7038 | | |
| 06/01/2021 | 93.5895 | 0.0778 | 1.4235 | 1.5013 | 4.7591 | 238.0259 | 15.6138 | 38.6592 | 50.4969 | 0.7142 | | |
| 07/01/2021 | 93.4730 | 0.0935 | 1.4955 | 1.5890 | 4.8056 | 237.0672 | 15.2054 | 38.6297 | 50.4363 | 0.6850 | | |
| 08/01/2021 | 91.6607 | 0.1264 | 1.3169 | 1.4433 | 6.6886 | 236.9517 | 16.3221 | 39.2675 | 50.8575 | 0.7038 | | |
| 09/01/2021 | 91.3976 | 0.1221 | 1.3032 | 1.4253 | 6.9482 | 236.4145 | 15.1617 | 39.3594 | 50.9191 | 0.6250 | | |
| 10/01/2021 | 91.9368 | 0.1292 | 1.2994 | 1.4285 | 6.4461 | 235.2140 | 15.8000 | 39.1914 | 50.8212 | 0.6417 | | |
| 11/01/2021 | 91.9896 | 0.0798 | 1.3616 | 1.4414 | 6.4021 | 234.8940 | 16.1026 | 39.1615 | 50.8098 | 0.6524 | | |
| 12/01/2021 | 91.9451 | 0.0827 | 1.3590 | 1.4417 | 6.4441 | 234.1912 | 15.5483 | 39.1748 | 50.8166 | 0.6285 | | |
| 13/01/2021 | 91.9464 | 0.0824 | 1.3596 | 1.4420 | 6.4430 | 234.0262 | 14.8664 | 39.1738 | 50.8160 | 0.6655 | | |
| 14/01/2021 | 91.9454 | 0.0824 | 1.3592 | 1.4416 | 6.4442 | 233.2456 | 15.8970 | 39.1744 | 50.8165 | 0.6972 | | |
| 15/01/2021 | 91.9464 | 0.0824 | 1.3583 | 1.4407 | 6.4443 | 232.8356 | 16.3688 | 39.1746 | 50.8170 | 0.7203 | | |
| 16/01/2021 | 91.9463 | 0.0824 | 1.3589 | 1.4413 | 6.4436 | 233.1220 | 16.5242 | 39.1744 | 50.8166 | 0.7223 | | |
| 17/01/2021 | 91.9449 | 0.0824 | 1.3600 | 1.4424 | 6.4442 | 232.6644 | 16.5571 | 39.1740 | 50.8159 | 0.7084 | | |
| 18/01/2021 | 91.9463 | 0.0824 | 1.3589 | 1.4413 | 6.4435 | 233.0647 | 16.6578 | 39.1744 | 50.8166 | 0.7346 | | |
| 19/01/2021 | 91.9434 | 0.0824 | 1.3600 | 1.4424 | 6.4455 | 233.5122 | 17.6579 | 39.1744 | 50.8161 | 0.7165 | | |
| 20/01/2021 | 92.6060 | 0.0802 | 1.4412 | 1.5214 | 5.7498 | 234.1912 | 17.0792 | 38.9195 | 50.6359 | 0.7353 | | |
| 21/01/2021 | 92.5615 | 0.1325 | 1.3219 | 1.4544 | 5.8943 | 234.6210 | 15.8046 | 38.9677 | 50.6814 | 0.8692 | | |
| 22/01/2021 | 92.5218 | 0.1126 | 1.3221 | 1.4346 | 5.9478 | 235.0539 | 15.5038 | 38.9938 | 50.7101 | 1.0363 | | |
| 23/01/2021 | 91.9291 | 0.1328 | 1.2655 | 1.3983 | 6.5649 | 234.6944 | 15.5800 | 39.1911 | 50.8337 | 1.0296 | | |
| 24/01/2021 | 92.5091 | 0.1124 | 1.2907 | 1.4032 | 5.9807 | 233.7969 | 15.4867 | 39.0216 | 50.7402 | 1.0500 | | |
| 25/01/2021 | 92.3607 | 0.1066 | 1.3410 | 1.4476 | 6.0851 | 233.2884 | 15.5338 | 39.0347 | 50.7291 | 1.0700 | | |
| 26/01/2021 | 92.2076 | 0.1206 | 1.3554 | 1.4761 | 6.2107 | 234.2693 | 15.5192 | 39.0591 | 50.7261 | 1.0963 | | |
| 27/01/2021 | 92.6003 | 0.1001 | 1.3450 | 1.4451 | 5.8484 | 234.1556 | 15.3458 | 38.9672 | 50.6929 | 1.0817 | | |
| 28/01/2021 | 92.3283 | 0.1040 | 1.3729 | 1.4769 | 6.0977 | 233.4568 | 15.3838 | 39.0214 | 50.7088 | 1.0479 | | |
| 29/01/2021 | 92.2810 | 0.1190 | 1.3569 | 1.4759 | 6.1381 | 233.0907 | 15.3763 | 39.0379 | 50.7142 | 1.0158 | | |
| 30/01/2021 | 92.3934 | 0.1065 | 1.3874 | 1.4939 | 6.0234 | 232.3020 | 15.4433 | 38.9891 | 50.6822 | 1.0363 | | |
| 31/01/2021 | 92.5826 | 0.0850 | 1.3789 | 1.4639 | 5.8355 | 230.9150 | 15.3804 | 38.9634 | 50.6859 | 1.0254 | | |

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

| | | | | | | | | | | | | |
|-------------------|---------|--------|--------|--------|--------|----------|---------|---------|---------|--------|--|--|
| Mínimo | 91.3976 | 0.0537 | 1.2655 | 1.3983 | 4.2282 | 230.9150 | 14.8664 | 38.4272 | 50.3228 | 0.6250 | | |
| Promedio | 92.5138 | 0.0935 | 1.3887 | 1.4822 | 5.8693 | 234.7498 | 15.8243 | 38.9755 | 50.6821 | 0.8088 | | |
| Máximo | 94.0941 | 0.1328 | 1.5874 | 1.6588 | 6.9482 | 238.4444 | 17.6579 | 39.3594 | 50.9191 | 1.0963 | | |
| Desv. Est. | 0.7614 | 0.0234 | 0.0877 | 0.0710 | 0.8013 | 1.9478 | 0.5981 | 0.2674 | 0.1791 | 0.1745 | | |

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) |
|----------------------|-------------------|-------------------------------|----------------------|--------------------------|------------------|--------------------------------|---------------------------------|--|--------------------------------------|---|
| 01/01/2021 | 94.6319 | 0.1205 | 1.6631 | 1.7092 | 5.2590 | 237.5314 | 18.3900 | 38.7502 | 50.4784 | 0.7700 |
| 02/01/2021 | 94.1790 | 0.0924 | 1.6730 | 1.7243 | 5.3617 | 237.7730 | 19.4800 | 38.7962 | 50.5255 | 0.7700 |
| 03/01/2021 | 94.6705 | 0.0888 | 1.7344 | 1.7654 | 5.0323 | 237.8390 | 20.2200 | 38.6660 | 50.4595 | 0.8800 |
| 04/01/2021 | 94.7048 | 0.0920 | 1.6578 | 1.7088 | 4.9500 | 238.0473 | 18.7900 | 38.6069 | 50.4324 | 0.8800 |
| 05/01/2021 | 94.2811 | 0.0865 | 1.6577 | 1.7053 | 4.8447 | 238.7808 | 19.7600 | 38.6271 | 50.4854 | 0.8600 |
| 06/01/2021 | 94.2203 | 0.1163 | 1.5567 | 1.6007 | 5.2564 | 238.9242 | 19.2600 | 38.8383 | 50.6147 | 0.8200 |
| 07/01/2021 | 93.8558 | 0.1491 | 1.5948 | 1.6857 | 5.4140 | 237.3440 | 19.2700 | 38.8147 | 50.5639 | 0.8400 |
| 08/01/2021 | 93.6171 | 0.1990 | 1.5817 | 1.7298 | 7.8292 | 237.9539 | 20.0400 | 39.6343 | 51.0997 | 0.8200 |
| 09/01/2021 | 91.9740 | 0.1632 | 1.3694 | 1.5019 | 7.9166 | 237.7915 | 18.1100 | 39.6558 | 51.0976 | 0.7900 |
| 10/01/2021 | 92.2611 | 0.2100 | 1.3656 | 1.4983 | 6.7194 | 235.7373 | 20.1800 | 39.2915 | 50.8950 | 0.7400 |
| 11/01/2021 | 92.4240 | 0.0830 | 1.3985 | 1.4616 | 6.4493 | 235.7125 | 20.9142 | 39.1856 | 50.8390 | 0.8296 |
| 12/01/2021 | 91.9553 | 0.0838 | 1.3630 | 1.4454 | 6.4509 | 234.5815 | 19.0321 | 39.1782 | 50.8205 | 0.8743 |
| 13/01/2021 | 91.9580 | 0.0828 | 1.3630 | 1.4453 | 6.4488 | 234.6787 | 18.2900 | 39.1770 | 50.8198 | 0.7919 |
| 14/01/2021 | 91.9543 | 0.0829 | 1.3630 | 1.4457 | 6.4514 | 234.0597 | 20.3469 | 39.1780 | 50.8206 | 0.8325 |
| 15/01/2021 | 91.9531 | 0.0825 | 1.3631 | 1.4455 | 6.4521 | 233.2889 | 21.0852 | 39.1781 | 50.8203 | 0.9141 |
| 16/01/2021 | 91.9563 | 0.0829 | 1.3604 | 1.4427 | 6.4510 | 233.6730 | 21.3927 | 39.1770 | 50.8190 | 0.9695 |
| 17/01/2021 | 91.9532 | 0.0826 | 1.3632 | 1.4456 | 6.4523 | 233.4661 | 20.8242 | 39.1770 | 50.8192 | 0.8088 |
| 18/01/2021 | 91.9543 | 0.0830 | 1.3631 | 1.4455 | 6.4538 | 233.6430 | 21.3929 | 39.1793 | 50.8223 | 0.9031 |
| 19/01/2021 | 91.9467 | 0.0826 | 1.3631 | 1.4455 | 6.4542 | 233.8472 | 21.7288 | 39.1779 | 50.8193 | 0.8842 |
| 20/01/2021 | 93.3012 | 0.1140 | 1.5173 | 1.5867 | 6.4513 | 238.5561 | 34.0254 | 39.1772 | 50.8202 | 1.7207 |
| 21/01/2021 | 93.2519 | 0.1641 | 1.4616 | 1.5743 | 6.4823 | 234.7346 | 19.3300 | 39.1909 | 50.8287 | 1.1700 |
| 22/01/2021 | 92.9900 | 0.1640 | 1.3716 | 1.4698 | 6.3622 | 235.2833 | 17.8100 | 39.1328 | 50.8142 | 1.1500 |
| 23/01/2021 | 92.7658 | 0.2000 | 1.3500 | 1.4675 | 7.2277 | 235.3767 | 18.4300 | 39.3820 | 50.9439 | 1.1400 |
| 24/01/2021 | 92.9924 | 0.1744 | 1.3912 | 1.4931 | 6.5584 | 237.3298 | 17.9700 | 39.2064 | 50.8660 | 1.1800 |
| 25/01/2021 | 92.7088 | 0.1753 | 1.4789 | 1.5601 | 6.7191 | 233.8593 | 18.2100 | 39.2433 | 50.8668 | 1.2100 |
| 26/01/2021 | 92.7694 | 0.1931 | 1.4922 | 1.5703 | 6.7176 | 236.5348 | 17.9600 | 39.2789 | 50.8873 | 1.2100 |
| 27/01/2021 | 93.8708 | 0.1722 | 1.4880 | 1.5622 | 6.4617 | 234.8093 | 17.7000 | 39.1718 | 50.8467 | 1.2300 |
| 28/01/2021 | 93.0380 | 0.1380 | 1.4405 | 1.5402 | 6.8044 | 234.3731 | 17.7000 | 39.2515 | 50.8475 | 1.1800 |
| 29/01/2021 | 93.1389 | 0.1765 | 1.4292 | 1.5183 | 6.8345 | 233.3751 | 17.5800 | 39.2623 | 50.8566 | 1.1500 |
| 30/01/2021 | 92.7977 | 0.1733 | 1.4469 | 1.5311 | 6.6038 | 232.9157 | 17.5500 | 39.1628 | 50.7880 | 1.1700 |
| 31/01/2021 | 92.8389 | 0.1121 | 1.4046 | 1.4773 | 5.9932 | 231.4586 | 17.7200 | 39.0744 | 50.7460 | 1.1300 |

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|---------------|---------|--------|--------|--------|--------|----------|---------|---------|---------|--------|
| Máximo | 94.7048 | 0.2100 | 1.7344 | 1.7654 | 7.9166 | 238.9242 | 34.0254 | 39.6558 | 51.0997 | 1.7207 |
|---------------|---------|--------|--------|--------|--------|----------|---------|---------|---------|--------|

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) |
|----------------------|-------------------|-------------------------------|----------------------|--------------------------|------------------|--------------------------------|---------------------------------|--|--------------------------------------|---|
| 01/01/2021 | 92.9703 | 0.0443 | 1.4994 | 1.6200 | 3.5587 | 237.1583 | 12.1400 | 38.2561 | 50.2024 | 0.5100 |
| 02/01/2021 | 92.8726 | 0.0352 | 1.4547 | 1.5362 | 4.0698 | 237.1363 | 11.9700 | 38.3910 | 50.2864 | 0.5300 |
| 03/01/2021 | 93.2886 | 0.0280 | 1.4510 | 1.5237 | 3.6983 | 237.1089 | 11.9400 | 38.2773 | 50.2363 | 0.5300 |
| 04/01/2021 | 93.2501 | 0.0376 | 1.4397 | 1.5210 | 3.6711 | 237.3780 | 11.8000 | 38.2708 | 50.2502 | 0.5300 |
| 05/01/2021 | 93.3455 | 0.0419 | 1.3981 | 1.4839 | 4.0147 | 237.9135 | 12.0100 | 38.3590 | 50.2769 | 0.5700 |
| 06/01/2021 | 93.1106 | 0.0431 | 1.3167 | 1.4330 | 4.0599 | 237.0374 | 11.7700 | 38.3959 | 50.3080 | 0.5700 |
| 07/01/2021 | 92.8937 | 0.0626 | 1.4177 | 1.4982 | 4.4442 | 236.8567 | 12.1700 | 38.4946 | 50.3122 | 0.5800 |
| 08/01/2021 | 90.5662 | 0.0774 | 1.1134 | 1.3124 | 4.5847 | 236.6483 | 12.2200 | 38.5225 | 50.3053 | 0.5700 |
| 09/01/2021 | 90.4258 | 0.0902 | 1.1917 | 1.3510 | 6.3171 | 235.6877 | 12.6500 | 39.1372 | 50.7548 | 0.5000 |
| 10/01/2021 | 91.7093 | 0.0776 | 1.2084 | 1.3779 | 6.0754 | 234.8682 | 12.5800 | 39.0530 | 50.7096 | 0.5100 |
| 11/01/2021 | 91.9393 | 0.0612 | 1.3374 | 1.4080 | 6.0110 | 234.4295 | 12.2854 | 39.0470 | 50.7401 | 0.5097 |
| 12/01/2021 | 91.9350 | 0.0822 | 1.3533 | 1.4368 | 6.4375 | 233.9044 | 12.2642 | 39.1727 | 50.8138 | 0.5162 |
| 13/01/2021 | 91.9396 | 0.0821 | 1.3551 | 1.4372 | 6.4352 | 233.3345 | 12.1001 | 39.1713 | 50.8138 | 0.5111 |
| 14/01/2021 | 91.9408 | 0.0820 | 1.3549 | 1.4371 | 6.4330 | 232.4637 | 12.1557 | 39.1698 | 50.8126 | 0.5291 |
| 15/01/2021 | 91.9395 | 0.0822 | 1.3549 | 1.4373 | 6.4337 | 232.5548 | 12.1345 | 39.1698 | 50.8125 | 0.4981 |
| 16/01/2021 | 91.9404 | 0.0820 | 1.3571 | 1.4393 | 6.4347 | 232.7257 | 12.0802 | 39.1720 | 50.8149 | 0.5834 |
| 17/01/2021 | 91.9373 | 0.0819 | 1.3561 | 1.4385 | 6.4360 | 232.0836 | 12.0719 | 39.1717 | 50.8136 | 0.5368 |
| 18/01/2021 | 91.9378 | 0.0822 | 1.3524 | 1.4349 | 6.4383 | 232.1761 | 12.0841 | 39.1717 | 50.8133 | 0.5589 |
| 19/01/2021 | 91.9373 | 0.0823 | 1.3574 | 1.4398 | 6.4422 | 233.1220 | 12.0894 | 39.1729 | 50.8139 | 0.5734 |
| 20/01/2021 | 91.9382 | 0.0608 | 1.3544 | 1.4369 | 5.0737 | 233.1909 | 12.3100 | 38.6941 | 50.4997 | 0.5900 |
| 21/01/2021 | 91.9546 | 0.1028 | 1.2635 | 1.3874 | 5.0920 | 234.4473 | 11.6300 | 38.6881 | 50.4704 | 0.5500 |
| 22/01/2021 | 92.1398 | 0.0787 | 1.2277 | 1.3461 | 5.4693 | 234.7096 | 11.5700 | 38.8362 | 50.6119 | 0.8900 |
| 23/01/2021 | 91.2671 | 0.1041 | 1.1536 | 1.3446 | 5.6819 | 234.1279 | 11.8700 | 38.8987 | 50.6418 | 0.9100 |
| 24/01/2021 | 91.9739 | 0.0844 | 1.1605 | 1.3249 | 5.4647 | 232.6817 | 11.7000 | 38.8535 | 50.6302 | 0.9300 |
| 25/01/2021 | 91.7590 | 0.0790 | 1.1901 | 1.3526 | 5.6837 | 232.7688 | 11.6500 | 38.8712 | 50.5888 | 0.9500 |
| 26/01/2021 | 91.7384 | 0.0781 | 1.2030 | 1.3481 | 5.6642 | 233.9394 | 11.5100 | 38.9169 | 50.6235 | 0.9300 |
| 27/01/2021 | 92.0757 | 0.0742 | 1.2557 | 1.3612 | 4.4955 | 233.7012 | 11.6100 | 38.5155 | 50.3869 | 0.9400 |
| 28/01/2021 | 91.5989 | 0.0866 | 1.3042 | 1.4422 | 5.4299 | 232.2718 | 11.9100 | 38.8394 | 50.6105 | 0.9000 |
| 29/01/2021 | 91.5566 | 0.0891 | 1.2718 | 1.4422 | 5.2768 | 232.2344 | 11.2500 | 38.7600 | 50.5427 | 0.8800 |
| 30/01/2021 | 91.8161 | 0.0833 | 1.3113 | 1.4363 | 5.6436 | 231.4136 | 11.4500 | 38.8836 | 50.6178 | 0.9400 |
| 31/01/2021 | 92.3271 | 0.0721 | 1.3476 | 1.4393 | 5.5829 | 230.5215 | 11.5000 | 38.8890 | 50.6420 | 0.8800 |

| | | | | | | | | | | |
|---------------|---------|--------|--------|--------|--------|----------|---------|---------|---------|--------|
| Mínimo | 90.4258 | 0.0280 | 1.1134 | 1.3124 | 3.5587 | 230.5215 | 11.2500 | 38.2561 | 50.2024 | 0.4981 |
|---------------|---------|--------|--------|--------|--------|----------|---------|---------|---------|--------|

Observaciones: