

Majowy Koźlak

- Gravity **13.1 BLG**
- ABV **5.3 %**
- IBU **34**
- SRM **8.8**
- Style **Maibock/Helles Bock**

Batch size

- Expected quantity of finished beer **25 liter(s)**
- Trub loss **10 %**
- Size with trub loss **27.5 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **33 liter(s)**

Mash information

- Mash efficiency **90 %**
- Liquor-to-grist ratio **3.5 liter(s) / kg**
- Mash size **19.9 liter(s)**
- Total mash volume **25.6 liter(s)**

Steps

- Temp **52 C**, Time **30 min**
- Temp **62 C**, Time **30 min**
- Temp **72 C**, Time **30 min**
- Temp **78 C**, Time **1 min**

Mash step by step

- Heat up **19.9 liter(s)** of strike water to **56.6C**
- Add grains
- Keep mash **30 min** at **52C**
- Keep mash **30 min** at **62C**
- Keep mash **30 min** at **72C**
- Keep mash **1 min** at **78C**
- Sparge using **18.8 liter(s)** of **76C** water or to achieve **33 liter(s)** of wort

Fermentables

| Type | Name | Amount | Yield | EBC |
|-------|----------------------|---------------|-------|-----|
| Grain | Pilzneński | 3 kg (52.6%) | 81 % | 4 |
| Grain | Pszeniczny karmelowy | 1 kg (17.5%) | 70 % | 100 |
| Grain | Płatki pszeniczne | 0.5 kg (8.8%) | 85 % | 3 |
| Grain | Viking Pale Ale malt | 1 kg (17.5%) | 80 % | 5 |
| Grain | Płatki owsiane | 0.2 kg (3.5%) | 85 % | 3 |

Hops

| Use for | Name | Amount | Time | Alpha acid |
|---------|---------|--------|--------|------------|
| Boil | Marynka | 15 g | 60 min | 8.5 % |
| Boil | Marynka | 15 g | 40 min | 8.5 % |
| Boil | Marynka | 15 g | 30 min | 8.5 % |
| Boil | Marynka | 15 g | 20 min | 8.5 % |

Yeasts

| Name | Type | Form | Amount | Laboratory |
|------|------|------|--------|------------|
|------|------|------|--------|------------|

| | | | | |
|------------------|-------|-------|--------|-----|
| Saflager W 34/70 | Lager | Slant | 250 ml | --- |
|------------------|-------|-------|--------|-----|

Extras

| Type | Name | Amount | Use for | Time |
|------|---------------|--------|-----------|----------|
| Herb | Trawa żubrowa | 10 g | Secondary | 7 day(s) |

Notes

- 0.2 -płatki jęczmienne
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