# Lager II

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- Gravity **13.6 BLG**
- ABV **5.6 %**
- IBU **28**
- SRM **3.6**
- Style **Standard American Lager**

## Batch size

- Expected quantity of finished beer **25.5 liter(s)**
- Trub loss **5 %**
- Size with trub loss **26.8 liter(s)**
- Boil time **90 min**
- Evaporation rate **10 %/h**
- Boil size **34.6 liter(s)**

## Mash information

- Mash efficiency **85 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **18.6 liter(s)**
- Total mash volume **24.8 liter(s)**

## Steps

- Temp **52 C**, Time **10 min**
- Temp **63 C**, Time **40 min**
- Temp **72 C**, Time **15 min**
- Temp **78 C**, Time **5 min**

## Mash step by step

- Heat up **18.6 liter(s)** of strike water to **57.3C**
- Add grains
- Keep mash **10 min** at **52C**
- Keep mash **40 min** at **63C**
- Keep mash **15 min** at **72C**
- Keep mash **5 min** at **78C**
- Sparge using **22.2 liter(s)** of **76C** water or to achieve **34.6 liter(s)** of wort

## Fermentables

| Type | Name | Amount | Yield | EBC |
|---|---|---|---|---|
| Grain | Viking Pilsner malt | 5.7 kg *(91.9%)* | 82 % | 4 |
| Grain | Bestmalz Carmel Pils | 0.5 kg *(8.1%)* | 75 % | 5 |

## Hops

| Use for | Name | Amount | Time | Alpha acid |
|---|---|---|---|---|
| Boil | Marynka | 32 g | 60 min | 7.8 % |
| Aroma (end of boil) | Lublin (Lubelski) | 10 g | 30 min | 4.3 % |
| Aroma (end of boil) | Lublin (Lubelski) | 10 g | 15 min | 4.3 % |
| Whirlpool | Lublin (Lubelski) | 30 g | 10 min | 4.3 % |
| Whirlpool | Marynka | 5 g | 10 min | 7.8 % |
| Whirlpool | Saaz pl | 5 g | 10 min | 4.7 % |
| Aroma (end of boil) | Saaz pl | 5 g | 10 min | 4.7 % |

## Yeasts

| Name | Type | Form | Amount | Laboratory |
|---|---|---|---|---|
| W34/70 | Lager | Slant | 260 ml | --- |

Recipe has been printed via **BREWNESS.com** - a complex online solution for homebrewers to track brewing process easily.

## Extras

| Type | Name | Amount | Use for | Time |
|---|---|---|---|---|
| Fining | Whirloc | 2 g | Boil | 10 min |

## Notes

- Dodalem 2l wody do brzeczki na 10min gotowania
  *Feb 22, 2025, 9:20 AM*