

Amerykański Lager

- Gravity **14.3 BLG**
- ABV **5.9 %**
- IBU **25**
- SRM **4.4**
- Style **Premium American Lager**

Batch size

- Expected quantity of finished beer **25 liter(s)**
- Trub loss **5 %**
- Size with trub loss **26.3 liter(s)**
- Boil time **70 min**
- Evaporation rate **18 %/h**
- Boil size **31.8 liter(s)**

Mash information

- Mash efficiency **70 %**
- Liquor-to-grist ratio **3.5 liter(s) / kg**
- Mash size **24.8 liter(s)**
- Total mash volume **31.9 liter(s)**

Steps

- Temp **65 C**, Time **90 min**
- Temp **78 C**, Time **5 min**

Mash step by step

- Heat up **24.8 liter(s)** of strike water to **71.4C**
- Add grains
- Keep mash **90 min** at **65C**
- Keep mash **5 min** at **78C**
- Sparge using **14.1 liter(s)** of **76C** water or to achieve **31.8 liter(s)** of wort

Fermentables

| Type | Name | Amount | Yield | EBC |
|-------|-----------------------|---------------|-------|-----|
| Grain | Strzegom Pilzneński | 6 kg (84.5%) | 80 % | 4 |
| Grain | Bestmalz Carmel Pils | 1 kg (14.1%) | 75 % | 5 |
| Grain | Bestmalz zakwaszający | 0.1 kg (1.4%) | 79 % | 4 |

Hops

| Use for | Name | Amount | Time | Alpha acid |
|---------|----------|--------|----------|------------|
| Boil | Amarillo | 5 g | 60 min | 8.6 % |
| Boil | Citra | 5 g | 60 min | 13.6 % |
| Boil | Amarillo | 10 g | 30 min | 8.6 % |
| Boil | Citra | 10 g | 30 min | 13.6 % |
| Boil | Amarillo | 35 g | 0 min | 8.6 % |
| Boil | Citra | 35 g | 0 min | 13.6 % |
| Dry Hop | Amarillo | 50 g | 7 day(s) | 8.6 % |
| Dry Hop | Citra | 50 g | 7 day(s) | 13.6 % |

Yeasts

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

| | | | | |
|-------------------------|-------|--------|--------|-------------|
| Wyeast - Bavarian Lager | Lager | Liquid | 500 ml | Wyeast Labs |
|-------------------------|-------|--------|--------|-------------|

Extras

| Type | Name | Amount | Use for | Time |
|--------|----------------|--------|---------|--------|
| Fining | Mech irlandzki | 7 g | Boil | 15 min |