

Konkurs APA

- Gravity **14 BLG**
- ABV **5.8 %**
- IBU **35**
- SRM **5.2**
- Style **American Pale Ale**

Batch size

- Expected quantity of finished beer **24 liter(s)**
- Trub loss **5 %**
- Size with trub loss **25.2 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **30.4 liter(s)**

Mash information

- Mash efficiency **85 %**
- Liquor-to-grist ratio **3.5 liter(s) / kg**
- Mash size **21 liter(s)**
- Total mash volume **27 liter(s)**

Steps

- Temp **67 C**, Time **45 min**
- Temp **72 C**, Time **10 min**
- Temp **78 C**, Time **0 min**

Mash step by step

- Heat up **21 liter(s)** of strike water to **73.7C**
- Add grains
- Keep mash **45 min** at **67C**
- Keep mash **10 min** at **72C**
- Keep mash **0 min** at **78C**
- Sparge using **15.4 liter(s)** of **76C** water or to achieve **30.4 liter(s)** of wort

Fermentables

| Type | Name | Amount | Yield | EBC |
|-------|----------------------------|----------------|-------|-----|
| Grain | Weyermann - Pale Ale Malt | 5 kg (83.3%) | 80 % | 7 |
| Grain | Weyermann pszeniczny jasny | 0.5 kg (8.3%) | 80 % | 6 |
| Grain | Weyermann - Carapils | 0.25 kg (4.2%) | 78 % | 4 |
| Grain | Carahell | 0.25 kg (4.2%) | 77 % | 26 |

Hops

| Use for | Name | Amount | Time | Alpha acid |
|---------------------|----------|--------|----------|------------|
| Boil | Citra | 12 g | 60 min | 14.2 % |
| Boil | Simcoe | 11 g | 30 min | 13.3 % |
| Boil | Simcoe | 11 g | 20 min | 13.3 % |
| Aroma (end of boil) | Cascade | 10 g | 5 min | 7.2 % |
| Whirlpool | Amarillo | 10 g | 10 min | 9.3 % |
| Dry Hop | Citra | 40 g | 2 day(s) | 14.2 % |
| Dry Hop | Simcoe | 30 g | 2 day(s) | 13.3 % |
| Dry Hop | Cascade | 40 g | 2 day(s) | 7.2 % |

| | | | | |
|---------|----------|------|----------|-------|
| Dry Hop | Amarillo | 40 g | 2 day(s) | 9.3 % |
|---------|----------|------|----------|-------|

Yeasts

| Name | Type | Form | Amount | Laboratory |
|--------------|------|-------|--------|------------|
| Safale US-05 | Ale | Slant | 150 ml | Fermentis |