

#41 Session APA

- Gravity **10.2 BLG**
- ABV **4.1 %**
- IBU **28**
- SRM **3.8**
- Style **American Pale Ale**

Batch size

- Expected quantity of finished beer **11.7 liter(s)**
- Trub loss **5 %**
- Size with trub loss **12.8 liter(s)**
- Boil time **60 min**
- Evaporation rate **25 %/h**
- Boil size **17.4 liter(s)**

Mash information

- Mash efficiency **79 %**
- Liquor-to-grist ratio **3.5 liter(s) / kg**
- Mash size **7.9 liter(s)**
- Total mash volume **10.1 liter(s)**

Steps

- Temp **66 C**, Time **35 min**
- Temp **72 C**, Time **35 min**
- Temp **78 C**, Time **1 min**

Mash step by step

- Heat up **7.9 liter(s)** of strike water to **72.6C**
- Add grains
- Keep mash **35 min** at **66C**
- Keep mash **35 min** at **72C**
- Keep mash **1 min** at **78C**
- Sparge using **11.8 liter(s)** of **76C** water or to achieve **17.4 liter(s)** of wort

Fermentables

| Type | Name | Amount | Yield | EBC |
|-------|----------------------|-----------------|-------|-----|
| Grain | Strzegom Pilzneński | 1.3 kg (57.8%) | 80 % | 4 |
| Grain | Płatki owsiane | 0.3 kg (13.3%) | 85 % | 3 |
| Grain | Żytni | 0.3 kg (13.3%) | 85 % | 8 |
| Grain | Pszeniczny | 0.25 kg (11.1%) | 85 % | 4 |
| Grain | Abbey Malt Weyermann | 0.1 kg (4.4%) | 75 % | 45 |

Hops

| Use for | Name | Amount | Time | Alpha acid |
|---------------------|--------|--------|----------|------------|
| Boil | Mosaic | 5 g | 50 min | 11.8 % |
| Boil | Citra | 5 g | 15 min | 14.2 % |
| Boil | Mosaic | 5 g | 15 min | 11.8 % |
| Aroma (end of boil) | Citra | 5 g | 3 min | 14.2 % |
| Aroma (end of boil) | Mosaic | 7 g | 3 min | 11.8 % |
| Whirlpool | Citra | 16 g | 0 min | 14.2 % |
| Whirlpool | Mosaic | 4 g | 0 min | 11.8 % |
| Dry Hop | Citra | 40 g | 5 day(s) | 14.2 % |

| | | | | |
|---------|--------|-----|----------|--------|
| Dry Hop | Mosaic | 5 g | 5 day(s) | 11.8 % |
|---------|--------|-----|----------|--------|

Yeasts

| Name | Type | Form | Amount | Laboratory |
|-------------|------|-------|--------|------------|
| Safale S-04 | Ale | Slant | 50 ml | --- |

Extras

| Type | Name | Amount | Use for | Time |
|--------|----------------|--------|---------|--------|
| Fining | Mech irlandzki | 6 g | Boil | 12 min |