

## Lite APA

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- Gravity **10.5 BLG**
- ABV **4.2 %**
- IBU **41**
- SRM **4.1**
- Style **American Pale Ale**

### Batch size

- Expected quantity of finished beer **10 liter(s)**
- Trub loss **5 %**
- Size with trub loss **11 liter(s)**
- Boil time **60 min**
- Evaporation rate **20 %/h**
- Boil size **14.4 liter(s)**

### Mash information

- Mash efficiency **80 %**
- Liquor-to-grist ratio **3.5 liter(s) / kg**
- Mash size **6.6 liter(s)**
- Total mash volume **8.5 liter(s)**

### Steps

- Temp **69 C**, Time **60 min**
- Temp **76 C**, Time **5 min**

### Mash step by step

- Heat up **6.6 liter(s)** of strike water to **76.1C**
- Add grains
- Keep mash **60 min** at **69C**
- Keep mash **5 min** at **76C**
- Sparge using **9.7 liter(s)** of **76C** water or to achieve **14.4 liter(s)** of wort

### Fermentables

| Type  | Name                          | Amount         | Yield | EBC |
|-------|-------------------------------|----------------|-------|-----|
| Grain | Weyermann - Pale Ale Malt     | 1.5 kg (78.9%) | 85 %  | 7   |
| Grain | Weyermann - Light Munich Malt | 0.2 kg (10.5%) | 82 %  | 14  |
| Grain | Płatki owsiane                | 0.2 kg (10.5%) | 85 %  | 3   |

### Hops

| Use for             | Name   | Amount | Time     | Alpha acid |
|---------------------|--------|--------|----------|------------|
| Boil                | lunga  | 12 g   | 60 min   | 9.5 %      |
| Boil                | Simcoe | 10 g   | 15 min   | 12.9 %     |
| Aroma (end of boil) | Citra  | 10 g   | 0 min    | 13.1 %     |
| Aroma (end of boil) | Galaxy | 10 g   | 0 min    | 14.2 %     |
| Dry Hop             | Citra  | 10 g   | 2 day(s) | 13.1 %     |
| Dry Hop             | Galaxy | 10 g   | 2 day(s) | 14.2 %     |

### Yeasts

| Name                     | Type | Form   | Amount | Laboratory  |
|--------------------------|------|--------|--------|-------------|
| Wyeast - American Ale II | Ale  | Liquid | 80 ml  | Wyeast Labs |

## Extras

| Type   | Name           | Amount | Use for | Time   |
|--------|----------------|--------|---------|--------|
| Fining | Mech irlandzki | 3 g    | Boil    | 15 min |