

# LAJTOWO PREBETA

- Gravity **11 BLG**
- ABV ---
- IBU **36**
- SRM **4.6**
- Style **American IPA**

## Batch size

- Expected quantity of finished beer **22 liter(s)**
- Trub loss **5 %**
- Size with trub loss **23.1 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **29 liter(s)**

## Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **12.9 liter(s)**
- Total mash volume **17.2 liter(s)**

## Steps

- Temp **68 C**, Time **60 min**
- Temp **76 C**, Time **0 min**

## Mash step by step

- Heat up **12.9 liter(s)** of strike water to **76C**
- Add grains
- Keep mash **60 min** at **68C**
- Keep mash **0 min** at **76C**
- Sparge using **20.4 liter(s)** of **76C** water or to achieve **29 liter(s)** of wort

## Fermentables

| Type  | Name                   | Amount         | Yield | EBC |
|-------|------------------------|----------------|-------|-----|
| Grain | Simpsons - Maris Otter | 1.7 kg (39.5%) | 81 %  | 6   |
| Grain | Pilzneński             | 1.7 kg (39.5%) | 81 %  | 4   |
| Grain | Płatki owsiane         | 0.3 kg (7%)    | 85 %  | 3   |
| Grain | Płatki Jęczmienne      | 0.2 kg (4.7%)  | 85 %  | 4   |
| Grain | Płatki pszeniczne      | 0.2 kg (4.7%)  | 85 %  | 3   |
| Grain | Pszeniczny             | 0.1 kg (2.3%)  | 85 %  | 4   |
| Grain | Melanoiden Malt        | 0.1 kg (2.3%)  | 80 %  | 39  |

## Hops

| Use for   | Name    | Amount | Time     | Alpha acid |
|-----------|---------|--------|----------|------------|
| Boil      | Warrior | 20 g   | 60 min   | 15.5 %     |
| Boil      | Citra   | 25 g   | 0 min    | 12 %       |
| Boil      | Mosaic  | 25 g   | 0 min    | 10 %       |
| Whirlpool | Citra   | 25 g   | 20 min   | 12 %       |
| Whirlpool | Mosaic  | 25 g   | 20 min   | 10 %       |
| Dry Hop   | Citra   | 25 g   | 5 day(s) | 12 %       |
| Dry Hop   | Mosaic  | 25 g   | 5 day(s) | 10 %       |

**Yeasts**

| Name                     | Type | Form   | Amount | Laboratory  |
|--------------------------|------|--------|--------|-------------|
| Wyeast - American Ale II | Ale  | Liquid | 15 ml  | Wyeast Labs |