

# Ale ZaDymione

- Gravity **14 BLG**
- ABV **5.8 %**
- IBU **39**
- SRM **7**
- Style **Other Smoked Beer**

## Batch size

- Expected quantity of finished beer **20 liter(s)**
- Trub loss **5 %**
- Size with trub loss **21 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **25.3 liter(s)**

## Mash information

- Mash efficiency **80 %**
- Liquor-to-grist ratio **4 liter(s) / kg**
- Mash size **21.2 liter(s)**
- Total mash volume **26.5 liter(s)**

## Steps

- Temp **64 C**, Time **60 min**
- Temp **72 C**, Time **30 min**
- Temp **76 C**, Time **10 min**

## Mash step by step

- Heat up **21.2 liter(s)** of strike water to **69.5C**
- Add grains
- Keep mash **60 min** at **64C**
- Keep mash **30 min** at **72C**
- Keep mash **10 min** at **76C**
- Sparge using **9.4 liter(s)** of **76C** water or to achieve **25.3 liter(s)** of wort

## Fermentables

| Type  | Name                     | Amount        | Yield  | EBC |
|-------|--------------------------|---------------|--------|-----|
| Grain | Wędzony Wisnia           | 4 kg (75.5%)  | 80 %   | 10  |
| Grain | Karmelowy żytni Strzegom | 0.1 kg (1.9%) | 75 %   | 150 |
| Grain | Strzegom Pszeniczny      | 1 kg (18.9%)  | 81 %   | 6   |
| Grain | Rye, Flaked              | 0.2 kg (3.8%) | 78.3 % | 4   |

## Hops

| Use for   | Name    | Amount | Time   | Alpha acid |
|-----------|---------|--------|--------|------------|
| Boil      | Marynka | 10 g   | 60 min | 10 %       |
| Boil      | Marynka | 10 g   | 40 min | 10 %       |
| Boil      | Citra   | 5 g    | 40 min | 12 %       |
| Boil      | Marynka | 10 g   | 20 min | 10 %       |
| Boil      | Citra   | 10 g   | 20 min | 12 %       |
| Whirlpool | Citra   | 15 g   | 0 min  | 12 %       |

## Yeasts

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

|                      |     |        |        |                  |
|----------------------|-----|--------|--------|------------------|
| FM52 Amerykański Sen | Ale | Liquid | 100 ml | Fermentum Mobile |
|----------------------|-----|--------|--------|------------------|