

# paRIS

- Gravity **24 BLG**
- ABV **11 %**
- IBU **83**
- SRM **66.8**
- Style **Russian Imperial Stout**

## Batch size

- Expected quantity of finished beer **10 liter(s)**
- Trub loss **5 %**
- Size with trub loss **11 liter(s)**
- Boil time **70 min**
- Evaporation rate **15 %/h**
- Boil size **14.1 liter(s)**

## Mash information

- Mash efficiency **60 %**
- Liquor-to-grist ratio **2.5 liter(s) / kg**
- Mash size **16.5 liter(s)**
- Total mash volume **23.1 liter(s)**

## Steps

- Temp **67 C**, Time **80 min**
- Temp **76 C**, Time **0 min**

## Mash step by step

- Heat up **16.5 liter(s)** of strike water to **76.4C**
- Add grains
- Keep mash **80 min** at **67C**
- Keep mash **0 min** at **76C**
- Sparge using **4.2 liter(s)** of **76C** water or to achieve **14.1 liter(s)** of wort

## Fermentables

| Type  | Name                        | Amount        | Yield  | EBC  |
|-------|-----------------------------|---------------|--------|------|
| Grain | Strzegom Pilzneński         | 3 kg (45.5%)  | 80 %   | 4    |
| Grain | Viking Pale Ale malt        | 1 kg (15.2%)  | 80 %   | 5    |
| Grain | Pszeniczny Crystal Fawcet   | 0.5 kg (7.6%) | 75 %   | 170  |
| Grain | Aromatic Malt               | 0.5 kg (7.6%) | 78 %   | 51   |
| Grain | Strzegom Karmel 600         | 0.4 kg (6.1%) | 75 %   | 600  |
| Grain | Carafa II                   | 0.2 kg (3%)   | 70 %   | 1200 |
| Grain | Strzegom Czekoladowy ciemny | 0.3 kg (4.5%) | 68 %   | 1200 |
| Grain | Oats, Flaked                | 0.5 kg (7.6%) | 80 %   | 2    |
| Grain | Rye, Flaked                 | 0.2 kg (3%)   | 78.3 % | 4    |

## Hops

| Use for | Name            | Amount | Time   | Alpha acid |
|---------|-----------------|--------|--------|------------|
| Boil    | Northern Brewer | 50 g   | 30 min | 11.6 %     |
| Boil    | Northern Brewer | 30 g   | 15 min | 11.6 %     |

## Yeasts

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

|       |     |       |        |        |
|-------|-----|-------|--------|--------|
| US-05 | Ale | Slant | 150 ml | Safale |
|-------|-----|-------|--------|--------|