

# Imperial Stout

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- Gravity **23.1 BLG**
- ABV **10.5 %**
- IBU **84**
- SRM **40.2**
- Style **Russian Imperial Stout**

## Batch size

- Expected quantity of finished beer **17 liter(s)**
- Trub loss **0 %**
- Size with trub loss **17 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **18.7 liter(s)**

## Mash information

- Mash efficiency **70 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **15 liter(s)**
- Total mash volume **20 liter(s)**

## Fermentables

| Type           | Name                       | Amount         | Yield | EBC |
|----------------|----------------------------|----------------|-------|-----|
| Grain          | Viking Pale Ale malt       | 4 kg (59.7%)   | 80 %  | 5   |
| Grain          | Jęczmień palony            | 0.4 kg (6%)    | 55 %  | 985 |
| Grain          | Caraaroma                  | 0.6 kg (9%)    | 78 %  | 400 |
| Liquid Extract | WES ekstrakt słodowy jasny | 1.7 kg (25.4%) | 80 %  | --- |

## Hops

| Use for | Name     | Amount | Time   | Alpha acid |
|---------|----------|--------|--------|------------|
| Boil    | puławski | 100 g  | 60 min | 8.6 %      |

## Extras

| Type   | Name  | Amount | Use for   | Time      |
|--------|-------|--------|-----------|-----------|
| Flavor | tonka | 10 g   | Secondary | 60 day(s) |