

RUSSIAN IMPERIAL STOUT 51

- Gravity **24.9 BLG**
- ABV ---
- IBU **91**
- SRM **46.5**
- Style **Russian Imperial Stout**

Batch size

- Expected quantity of finished beer **25 liter(s)**
- Trub loss **5 %**
- Size with trub loss **26.8 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **32.2 liter(s)**

Mash information

- Mash efficiency **70 %**
- Liquor-to-grist ratio **3.5 liter(s) / kg**
- Mash size **29.2 liter(s)**
- Total mash volume **37.6 liter(s)**

Steps

- Temp **66 C**, Time **90 min**
- Temp **76 C**, Time **10 min**

Mash step by step

- Heat up **29.2 liter(s)** of strike water to **72.6C**
- Add grains
- Keep mash **90 min** at **66C**
- Keep mash **10 min** at **76C**
- Sparge using **11.4 liter(s)** of **76C** water or to achieve **32.2 liter(s)** of wort

Fermentables

| Type | Name | Amount | Yield | EBC |
|----------------|--|----------------|-------|-----|
| Grain | Słód Pilsner® 2,5-4,5 EBC Weyermann | 5 kg (41%) | 80 % | 4 |
| Grain | Słód monachijski | 1 kg (8.2%) | --- % | --- |
| Grain | Jęczmień palony | 0.65 kg (5.3%) | 55 % | 985 |
| Grain | Caraaroma | 0.6 kg (4.9%) | 78 % | 400 |
| Grain | Strzegom Karmel 150 | 0.6 kg (4.9%) | 75 % | 150 |
| Grain | Weyermann - Carafa I | 0.5 kg (4.1%) | 70 % | 690 |
| Adjunct | Płatki pszeniczne | 0.45 kg (3.7%) | 85 % | 3 |
| Adjunct | Płatki owsiane | 0.45 kg (3.7%) | 85 % | 3 |
| Adjunct | płatki jęczmienne | 0.45 kg (3.7%) | --- % | --- |
| Liquid Extract | Ekstrakt słodowy Monachijski - Weyermann Munich Amber | 2.5 kg (20.5%) | 78 % | 22 |

Hops

| Use for | Name | Amount | Time | Alpha acid |
|---------|---------|--------|--------|------------|
| Boil | Chinook | 100 g | 60 min | 13 % |

| | | | | |
|------|------------|------|--------|--------|
| Boil | Centennial | 80 g | 15 min | 10.5 % |
|------|------------|------|--------|--------|

Yeasts

| Name | Type | Form | Amount | Laboratory |
|----------------------|------|--------|--------|------------------|
| FM52 Amerykański Sen | Ale | Liquid | 250 ml | Fermentum Mobile |