

Uncle Stalin's People's Reserve

- Gravity **25.1 BLG**
- ABV **11.7 %**
- IBU **81**
- SRM **54.5**
- Style **Russian Imperial Stout**

Batch size

- Expected quantity of finished beer **9 liter(s)**
- Trub loss **5 %**
- Size with trub loss **9.4 liter(s)**
- Boil time **90 min**
- Evaporation rate **10 %/h**
- Boil size **11.8 liter(s)**

Mash information

- Mash efficiency **80 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **13.6 liter(s)**
- Total mash volume **18.2 liter(s)**

Steps

- Temp **62 C**, Time **80 min**
- Temp **72 C**, Time **30 min**
- Temp **78 C**, Time **10 min**

Mash step by step

- Heat up **13.6 liter(s)** of strike water to **69C**
- Add grains
- Keep mash **80 min** at **62C**
- Keep mash **30 min** at **72C**
- Keep mash **10 min** at **78C**
- Sparge using **2.8 liter(s)** of **76C** water or to achieve **11.8 liter(s)** of wort

Fermentables

| Type | Name | Amount | Yield | EBC |
|-------|----------------------------|----------------|--------|------|
| Grain | Vienna Malt | 2.1 kg (46.2%) | 78 % | 8 |
| Grain | Viking Pilsner malt | 0.8 kg (17.6%) | 82 % | 4 |
| Grain | Viking Chocolate Malt 1200 | 0.2 kg (4.4%) | 68 % | 1200 |
| Grain | Viking Chocolate Malt 400 | 0.3 kg (6.6%) | 68 % | 400 |
| Grain | Caramel/Crystal Malt - 150 | 0.15 kg (3.3%) | 72 % | 150 |
| Grain | Carahell | 0.3 kg (6.6%) | 77 % | 26 |
| Grain | Carafa III | 0.2 kg (4.4%) | 70 % | 1034 |
| Grain | Rye, Flaked | 0.25 kg (5.5%) | 78.3 % | 4 |
| Grain | Oats, Flaked | 0.25 kg (5.5%) | 80 % | 2 |

Hops

| Use for | Name | Amount | Time | Alpha acid |
|---------|-------------------|--------|--------|------------|
| Boil | Iunga | 30 g | 60 min | 10.3 % |
| Boil | Lublin (Lubelski) | 15 g | 60 min | 4 % |
| Boil | Oktawia | 15 g | 60 min | 9.2 % |

| | | | | |
|---------------------|--------------------|------|--------|-------|
| Aroma (end of boil) | East Kent Goldings | 15 g | 15 min | 5.1 % |
|---------------------|--------------------|------|--------|-------|

Yeasts

| Name | Type | Form | Amount | Laboratory |
|--|------|------|--------|-----------------|
| Mangrove Jack's M42 New World Strong Ale | Ale | Dry | 10 g | Mangrove Jack's |